The 50 MHz DX Bulletin

Volume 17, Issue 2 **February 2006** **ISSN 1073-1024**

The 50 MHz DX Bulletin was founded by Harry Schools K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are $24 U.S. first class mail, $27 Canada/Mexico airmail, and $30 by airmail elsewhere for 12 issues. Payments may be made to k6fv through PayPal. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4554 USA. My Internet address is victor.frank@sri.com. My web site is http://www.qsl.net/k6fv.

DX Operations

Most of the listings in this column came from SM7AED's notebook.

Mongolia, JT1Y, JT0Y: A group of Italian radio amateurs plans to operate HF-6m with emphasis on 12m and 6m from 2 locations in Mongolia between April 19 and May 8.

Cambodia, XU7ADI: Pete, SM5GMZ, plans HF-6m operation (second priority to work) January-March.

Indonesia, YC6JKV: and YB6LYS, YB6PLG, YB1BOD, and YC6LAY will be active from Nias Is. (OC-161) between April 20-27. They plan to operate for 5 days on 6, 10, 15, 20,m and 40m. Details at http://www.toba-dx-group.org/nias/

Dodecanese, SV5: A group of Greek radio amateurs are headed to Patmos Is. to operate 160-6m between March 28 and April 2

Mozambique, C9: Frosty, K5LBU, and Tom, WW5L, plan to operate HF, 6m, and 2m EME from Bilene from June 29-July 13. They have room for more team members. If you're interested, contact K5LBU at frosty1@pdq.net. See their web page at http://www.tdxs.net/C9.html for more details.

Malawi, 7Q7PF: Cato is listed as being active on various digital modes on 40 to 6m.

Morocco, CN2R: Jim, W7EJ, plans operation during the CQ WW WPX SSB contest March 25-26. Outside of the contest be plans to be on the WARC bands and 6m EME.

Hungary, HA: is expecting new amateur radio regulations within a few months. Hungarian amateurs will likely get 50-52 MHz with 10W/30W depending on license class, as are visitors with valid CEPT licenses.

Albania, ZA/IK0OKY: Emilio, a UN Peace-Keeper in Tirana (JN91wh) until August 2006 will be active evenings from 20Z to 23Z and weekends from 0630Z onwards in FSK441A. He is active on 6m and 2m MS. He says that Tirana is surrounded by mountains, so VHF is very difficult.

Monaco: as of January 26 has 50-52 MHz assigned to the amateur service with 51.2-52.0 MHz secondary shared. Also assigned are 70.0-70.5 MHz secondary shared and 135.7-137.8 MHz.

Jersey Is, GJ/K8PT, GJ/K3PLV: Pete and Craig plus Tom, W8JWN, and Jim, N1NK, will be operating 24 hours a day on 6-160m with 2 or 3 stations from EU-013 March 8-15.

Denmark, OZ/DL2VFR: Ric plans to be active on HF-6m from Laeso Is. (JO57)(EU-088) July 23-30 including the RSGB IOTA contest July 29-30.

Jan Mayen, JX9NOA: is QRV, but indicates propagation is poor now. He plans to stay there until October 2006.

Svalbard, JW4GHA: Roger, LA4GHA, currently active as T98GHA until the end of November plans to operate 160-2m from Bear Island (EU-027) between December 1 and June 2006.

Bermuda, VP9/N0JK: Jon will on 50, 144, and 432 MHz from Bermuda for the 2006 ARRL June VHF QSO Party. Outside of the contest he will focus on working Europe.

Haiti, HH4/W3CMP: Chris plans to travel to Haiti June 17-28 for a 6 and perhaps 2m DXpedition. He will operate from St. Louis du Nord on the north coast (FK39).

Turks&Caicos, VP5/VE3OP: Craig and his wife Roxanne, VA3ROX, plan to operate 160-6m here between March 12-22.

St. Lucia, J6: Oleh, UR5BCP, is planning to operate 160-6m from NA-108 from March 30 through April 5.

Antigua, V25WY & V25OP: Bob, W4OWY, and Mark, W9OP plan to operate 160-6m March 13-19.

Ascension Is (AF-003), ZD8I: Ian, G8WVW with his family are new residents until the end of March 2006. He plans 80-6m activity. Occasional visits to the Falkland Is. are also a possibility.

Alaska, KL7: K6MYC and W6JKV plan to operate 6 and 2m EME from Barrow (BQ13), which is the northernmost city in Alaska, next late June/July.

Papua New Guinea, P29K: P29ZAD, P29NB, P29TL, & P29KPH will activate Kranket Is. (OC-258) on 80-6m from March 17-20.

Beacon News

Ireland, EI0SIX: A permit has been issued for operation on 50.052 from Co. Kildare.

Hawaii, KH6RZ: on 50.061 is now running 40W to an omnidirectional antenna. The beacon can be broken during its 20 second quiet period if Fred is in the shack.

California, K6FV: on 50.069 has switched antennas to the SW (Pacific) for March and April until the summer Es season, when it will return (most of the time) to the NE.

February 2006 Beacon List

Credits to G3USF

Freq	Call	Town	Loc	Pwr
50000	GB3BUX	Nr Buxton	IO93BF	25
50000	9A1CAL		JN86EL	2
50001.0	VE1SMU	Nr Halifax NS	FN84	25
50001.3	IW3FZQ	Monselice PD	JN55VF	8
50002	IQ1SP			
50002.5	7Q7SIX		KF75	5
50002	PY2LDF		GG67	
50003	PY2WFG			5
50003	IQ6VP		JN62QI	
50004.0	I0JX	Rome	JN61HV	10
50004.7	4N0SIX	Nr Belgrade	KN04FU	1
50005	ZS2SIX	Port Elizabeth	KF25	25
50005	9M2TO	Penang Island	OJ05DJ	50
50006	A71A	Doha	LL55SH	8
50007	VA2ZFN	Mt Kanasuta QC	FN08HE	4
50007	ZD7VC	St Helena	IH74	45
50007.8	DU1EV	Metro-Manila	PK04MP	10
50008	XE2HWB	La Paz Baja Cal.	DL44	10
50008.0	K0GUV	Park Rapids MN	EN26	8
50008	I5MXX	Pieve A Nievole	JN53JU	10
50009.5	PY2SFY	Pindamonhangaba	GG77GA	4
50010.8	SV9SIX	Iraklio	KM25NH	30
50010	JA2IGY	Mie	PM84JK	10
50011	TG9SO		EK44	45
50012	OX3SIX	Kulesuk	HP15EO	100
50012	HP1RCP	Cerro Jefe	FJ09HD	
50013	CU3URA	Terceira I.	HM68	5
50013	LZ1JH	Stara Zagora	KN22TK	1
50014	V73SIX	Roi Namur I.	RJ39RJ	45
50014.5	9M6SMC	Keningau	OJ85AX	2
50015	9Y4AT	Trinidad	FK90ER	25
50015	SV5SIX	Rhodes		0.3
50015.5	LU9EHF	Lincoln City	FF95	15
50015.5	VA2MGL	La Malbaie PQ	FN47UQ	6
50016	GB3BAA	Nr Tring	IO91PS	10
50017	JA6YBR	Miyazaki	PM51RT	50
50017	OH0SIX			
50018	VE4ARM	Austin MB	EN09MW	50
50019	IZ1EPM	50k SE Turin	JN34WR	15
50019	HB9DUC	Renens	JN36HM	2
50020.7	IK5ZUL		JN52	
50021	ER3SIX		KN47JG	10
50021.1	UN1SIX			
50021	YU7AZ			
50022	S55ZRS		JN76MC	8
50023V	LX0SIX	Bourscheid	JN39BF	5
50023	SR5SIX	Skubianka	KO02LL	2
50023	XE1KK	Mt Popocatepetl	EK09QC	20
50023	OZ7IGY	Toelloese	JO55VO	30
50023.0	JA1ZYK	Chiba	QM05	10
50023.5	ZP5AA	Asuncion	GG14	
50024.1	VE9BEA	Crabbe Mtn	FN66	3
50024.9	VE4SPT	Gillam MB	EO26PI	100
50025	9H1SIX	Attard, Malta	JM75FV	7
50025	YV4AB	Valensia	FK50	15
50025.4	OH1SIX	Ikaalinen	KP11QU	40
50026	SR9FHA	Krakow Choragwica	KN09BW	4
50027	IW3GXW	Sottomarina VE	JN66OB	
50027	CN8MC	Nr Rabat	IM63NX	20
50027	JE7YNQ	Fukushima	QM07	50
50028	IQ4FA	Ferrara		5
50028	5T5DUB	Nouakshott	IK28AC	15
50028	XE2ED	Colonia Guerrero	DM10	15
50030	PY5NN		GG54	
50030	WP4MZA	Luqillo	FK78DI	10
50030	9A0BHH	Moslavacka gora	JN85JO	2
50031.0	ZD8VHF	Ascension I.	II22TB	50
50031.5	CT0SIX	Tavarade	IN50NE	
50032	JR0YEE	Niigata	PM97	2
50033	VE2RCS	Lachute PQ	FN25	
50033	VE7FG	Prince George BC	CO83	50
50033	OH5RAC	Kuusankoski	KP30HV	20
50034	YU1EO	Beograd	KN04ML	1
50034	T94FC	Zenica	JN93ET	
50035	HC8GR	Galapagos Is.	EI59	30
50035	OY6SMC	Faroe Is.	IP62MB	
50036	VE4VHF	Headingly MB	EN19	35
50036	OA4B	Lima	FH17	13
50036	LW2ETU	Buenos Aires	GF05TH	1
50036.6	7J6CCU	Okinawa		
50037.5	ES0SIX	Hiiuma Island	KO18CW	15
50038	C21SIX	Menen	RI39LL	25
50038	LU5EGY	Buenos Aires	GF05	15
50039	VO1ZA	St Johns NFD	GN37	10
50039	FY7THF	Kouru?	GJ35	10
50039.5	VE4PL	Winnipeg	EO11	
50040	VE2YKT	Rapide-Blanc QC	FN37LS	0.5
50040	ZL3SIX	Christchurch	RE66	65
50040	SV1SIX	Nr Athens	KM17UX	25
50041	VE6EMU	Camrose AB	DO33	35
50042.5	GB3MCB	St Austell	IO70OJ	40
50043	VE6ARC	Grand Prairie AB	DO05	25
50043.3	ZL1VHF	Whitford	RF73MB	20
50044	ZS6TWB	Pietersburg	KG46RD	15
50045	OX3VHF	Qaqortoq	GP60QQ	20
50045	LZ2CM	Montana	KN13NE	0.5
50045.6	JW5SIX	Hopen Island	KQ26MM	10
50046.5	VK8RAS	Alice Springs	PG66	15
50047	JW7SIX	Kappe Linne	JQ68TB	10
50047.2	4N1ZNI		KN03WH	1
50048.2	VE8BY	Iqaluit NU	FP53RS	25
50048.5	TR0A	Libreville	JJ40	15
50048.7	JW9SIX	Bear Island	JQ94LM	15
50049.4	LZ2CC	Slatina Okr	KN22GS	5
50050	6Y5RC	Kingston		15
50050	VA2WW	Quebec City PQ	FN46	5
50050	ZS6DN	Nr Pretoria	KG44DE	100
50051	LA7SIX	Bardu	JP99EC	30
50051	YO9FTR		KN25XG	3
50052	EI6IZ		IO53HU?	
50053	XE3RCM		EL50	
50053.5	PI7SIX		JO22NC	
50054	OZ6VHF	Ribe	JO57EI	25
50054.4	VE2YAT	St Honore QC	FO40	
50055	V44KAI	St Kitts/Nevis	FK87QH	2
50055.6	VA7SIX		CN89	
50056	I8EMG	Cozzo Cervello	JM89BJ	
50057.0	VK8VF	Darwin	PH57	100
50057	IT9X	Messina	JM78SG	10
50057	TF3SIX	Reykjavik	HP94BC	12
50057.5	VK4RGG	Nerang	QG61	6
50058	HB9SIX	Nr St Gall	JN47QF	2
50058	IQ4AD	Parma	JN54DT	8
50058	OE3XLB		JN87AT	10
50059.5	VE3UBL	Brougham	FN03	10
50059.5	K4TQR	Birmingham AL	EM63OM	4
50059.7	W4CBX	Bristol TN	EM86	
50060.0	KD4NMI	Knightdale NC	FM05RT	100
50060.0	GB3RMK	Nr Inverness	IO77UO	40
50060	XE2OR	Nava Coahuila	DL98OK	
50060.0	WB5LLI	Kenner LA	EM40	20
50060.0	WB0RMO	Fairbury NE	EN10	25
50060	K5AB	Goldthwaite TX	EM01	50
50061	K9MU	Chippewa FallsWI	EN44	25
50061	AE3J	Aston TownshipPA	FM29GU	5
50061	W3HH	Nr Ocala FL	EL89	3
50061.7	KH6RZ	Pahoa HI	BK29k2	20
50062	K8JA	Sterling Hts MI	EN82JP	2
50062	KB6BKN	Novato CA	CM88	
50062	C6AFP	Abaco	FL16	1
50063	W9JN	Stevens Point WI	EN54DN	1,1
50063	KE4SIX	Augusta GA	EM83	5
50063	LY0SIX		KO24PS	7
50063	KU7V	Brigham City UT	DN31XM	5

Freq	Call	Town	Loc	Pwr
50063	WA4HFN	Memphis TN		
50063	KF4ODI	Newbern TN	EM56	10
50063.3	NL7Z	Wasilla AK	BP51	25
50064.0	W3VD	Laurel MD	FM19NE	7
50064	GB3LER	Lerwick	IP90JD	30
50065	KS5V	San Antonio TX	EL09SS	
50065	KL7/KG0VL	Circle AK	BP75XW	100
50065	GB3IOJ	Jersey	IN89WE	10
50065.0	W0IJR	Aurora CO	DM79	20
50065.0	KA0CDN	Aurora CO	DM79	20
50065.2	KH6HI	Haleiwa HI	BL01	50
50065.5	W0MTK	Fruita CO	DM59	4
50066	W5GPM	Bartlesville OK	EM26	
50066.0	VK6RPH	Walliston WA	OF88	10
50066.0	WA1OJB	Bowdoinham ME	FN54	10
50066.2	W5SIX	Horse Mountain	DM54WA	1
50066.7	KQ4E	Morristown TN	EM86	10
50066.9	K4HRS	Merritt I. FL		
50067	WZ8D	Loveland OH	EM79	15
50067	OH9SIX	Pirttikoski	KP36OI	35
50067	N7DB	Boring OR	CN85RM	5
50067.5	N3LL	Bridgeville PA	EN90	5
50067.5	N8PUM	Felch MI	EN65BX	10
50067.7	K0EC	Vail Mtn CO	DM69	45
50068	N6NB		CM05	
50068.5	K2ZD	Union City NJ	FN20	20
50068.8	LU1DMA	Buenos Aires	GF05PH	1
50068.9	K6FV	Woodside CA	CM87UL	100
50069	KL7FU	Nr Barrow AK	BQ11	50
50069	W9VW	Indianapolis IN	EM69WT	8
50069	W8GTX	Howell MI	EN82	3
50069	N1NTE	Holland MA	FN42	5
50069	W7BAS	Kenmore WA	CN87TG	10
50069.5	N0UD	Nr Halliday ND	DN87	50
50069.9	W1RA	Cape Cod MA	FN41	15
50070	W2RTB	Rochester NY	FN13	
50070	SK3SIX	Edsbyn	JP71VF	
50070	EA7VHF			
50070	WA7X	Fairview UT	DM49HO	100
50070	WA7ACO	Richland WA	DN06	
50070	KF4YCP	PalmBeachG'dnsFL		
50070	W4CLM	Stanley NC	EM95	
50070	KG6JAI	Burbank CA	DMO4	
50070.1	K4KWK	Chattenooga TN	EM75	1
50070.6	K0ETC	Joplin MO	EM27	10
50071	LU1WDY	Trelew Chubut	FE76IS	5
50071	W5HN	Allen TX	EM13SJ	0.5
50071	W3DOG	Laurel MD	FM28EI	45
50073	KP2A	US Virgin Is	FK78	
50073	WA6LIE	Salinas CA	CM96EQ	5/4
50073	K0KP	Duluth MN	EN36WT	100
50073	K4YKZ	Laurel Park NC	EM85	
50074	EH1DVY	Soria	IN81	10
50074	KD4HLG	Conyers GA	EM73	3/30
50074	W5RP	San Angelo TX	DM91	
50074	N7LT	Bozeman MT	DN45	3
50074	FG1JD	Guadeloupe		
50074	K8PLF	Maumee OH	EN81	
50075	K1QVR	Warren MA	FN32VF	1
50075	VR2SIX	Hong Kong	OL72	
50075	KA7BGR	Central Point OR	CN82	40
50075	YV5LIX	Nr Caracas	FK60NM	
50075	YO3KWJ		KN34BJ	10
50075.0	KL7GLK/3	Bay Ridge MD	FM18SW	4
50075.3	LW2ETU	Avellaneda BA	GF05TI	1
50076	WR9L	Bourbonnais IL	EN61BD	10
50077	K4AHO	Zellwood FL	EL98FR	7.5
50077.6	N0LL	Smith Center KS	EM09OW	14
50078	NM7D	Saint George UT	DM37	15
50078	AC3A	Leawood KS	EM28QV	10
50078.0	OD5SIX		KM74	8
50078.1	WD8OST	Goetville MI	EN76	10
50079	JX7SIX	Jan Mayen	IQ50RX	10
50079	W4CHA	Tampa FL	EL88	
50079.0	W3CCX	Philadelphia PA	FM29JW	4
50080	K0UO	Kiowa KS	EM07	10
50080	ZS1SIX	Cape Town	JN96FB	8-1
50080	FK8SIX	Noumea	RG37FR	15
50080.0	UU5SIX	Mtns Nr Yalta	KN74AL	10
50080.0	4X4SIX	Tel Aviv	KN72JB	3
50080.9	AC7XP	ParadiseValleyAZ	DM43	3
50082	UT7UV/A		KO40VK	10
50082.5	LU8DCH	San Luis	FF66UQ	1.5
50083	VE2NOQ	Ontario	FN08	
50083.6?	LU7YS	S.Martin de los Andes,Patagonia	FF49IU	5
50084.0	UT5G	Petri UKR	KN66LS	10
50087	RB3SIX		KO73EF	
50087	VK4RTL	Townsville	QH30JQ	10
50120	VK2RS	Bathurst NSW	QF46SN	5
50283	VK3RMH	25k NE Melbourne	QF22OH	10
50288	VK2RHV	Mt Sugarloaf NSW	QF57SC	10
50289	VK2RSY	Nr Sydney NSW	QF56MH	25
50293	VK3RMV	5k N Hamilton	QF02WH	15
50297	VK7RST	Mt Nelson Hobart	QE37	15
50300	F5TND	1004	IN96OL	10
50304	VK6RSX	Dampier WA	OG89	50
50306	VK6RBU	Bunbury WA	OF76	20
50315	VK5RBV	Barossa Valley	PF95MK	12
50315.0	FX4SIX	Neuville	JN06CQ	25
50321	ZS5SIX	Hilton	KG50	8
50480	JH8ZND	Chitose	QN02UW	10
50485	JH9YHP	Toyama	PM86	2
50490	JG1ZGW	Tokyo	PM95VP	10
50499.5	5B4CY	Zygi	KM64PT	20
50520.3	SZ2DF	Heraclion Crete (usually) or Hania	KM25	1kw
51030	ZL2MHB	Hawkes Bay	RF80	
52275	ZL2MHF	Nr Wellington	RE78NS	10
52315	VK3RSX	Dunolly VIC	QF13	10
52346.5	VK4ABP	Longreach	QG26	10
52438	VK3FGN	Mildura VIC		
52450	VK5VF	Adelaide Mt Lofty	PF95	8
52490	ZL2SIX	Blenheim	RE68	

I have excluded a few part-time, experimental, seasonal, and unknown beacons from G3USF's list, which may be found at http://www.keele.ac.uk/depts/por/50.htm. Please advise Martin (and me) of any additions or subtractions that should be made to the above list.

Where Have Earth's Magnetic Poles Gone?

They hang loose and discolored from the plywood ceiling of my shack--aeronautical charts of California, Nevada, and Oregon. Every once in a while I'd go out and check the direction to some mountain peak or the magnetic declination, about 17° 40'E, for my location 20 miles south of San Francisco.

Declination? That's the direction the balanced compass needle points, towards the north magnetic pole, sort of. Without the balance it would point into the ground as the magnetic dip is about 65° according to a map in *Ionospheric Radio Propagation* using Cain & Neilon 1963 data.

I knew all along that the magnetic poles move, but I didn't appreciate by how much until I searched the web for an update. I was planning to take some photos of satellites in the Clarke belt and figured since I was using a compass to help aim the camera, I ought to get the latest values of the declination. I entered my latitude, longitude and date into one of the programs and got a present declination of 14° 40'E. THREE DEGREES WEST of the declination that had been using for the past 40 years or more.

December 29, 2003: Every few years, scientist Larry Newitt of the Geological Survey of Canada goes hunting for the Earth's north magnetic pole. At the moment it's located in northern Canada, about 600 km from the nearest town, Resolute Bay, population 300.

James Ross located the pole for the first time in 1831 after an exhausting arctic journey during which his ship got stuck in the ice for four years. In 1904, Roald Amundsen found the pole again and discovered it had moved--at least 50 km.

The pole kept going during the 20th century, north at an average speed of 10 km per year, lately accelerating "to 40 km per year," says Newitt. At this rate it will exit North America and reach Siberia in a few decades.

One encyclopedic web source stated that "The magnetic poles are not fixed, but follow circular orbits with diameters of about 160 km." The above map, however, shows a relatively straight-line movement of the Earth's north magnetic pole across the Canadian arctic, 1831-2001. {Credit: Geological Survey of Canada.} The present location of the north magnetic pole is somewhere off the top of this map. Estimates from the web suggest a north magnetic pole position at 82.7°N 114.4°W for 2005 and a south magnetic pole position at 63.5°S 138.0°E for 2004. However, the most recent measurements reported were 2001 for the former and 1998 for the latter. The 2001 measurements stirred up press articles, some with dire warnings like "Is Earth's magnetic field collapsing?" Under the circumstances, some scientists would like to lie low, but keeping track of the north magnetic pole is Newitt's job. He said "We usually go out and check its location once every few years. We'll have to make more trips now that it is moving so quickly."

Earth's magnetic field is only approximately that of a dipole. *Ionospheric Radio Propagation* (1965) indicated that the best fit between the earth-centered dipole and the actual magnetic field was obtained by taking the Boreal (N) magnetic pole at 78.3°N, 69°W and the Austral (S) magnetic pole at 78.3°S, 111°E. Note that the locations of the magnetic poles for a best fit world-wide dipole field model may not coincide with the actual locations of the poles. More complicated magnetic field models using spherical harmonic expansion have been published periodically. I note IGRF85 has at least 2x12x12x4=1152 coefficients. I do not have any that include the acceleration of Boreal polar movements noted in 2001, or the 1998 Austral pole location for that matter.

Magnetic field lines radiate between Earth's north and south magnetic poles just as they do between poles of a bar magnet, and the strength and direction of these magnetic field lines affect the distribution of ions in the ionosphere. Charged particles (mostly of solar origin) can become trapped on these field lines to form the magnetosphere. The magnetosphere, according to one web article, extends down to 80 to 60,000 km on the sunlit side of the earth, and trails out more than 300,000 km on the night time.

The strength of the field at the Earth's surface varies from <30 microTesla (0.3 Gauss) in an area including most of South America and South Africa to over 60microTesla (0.6 Gauss) around the magnetic poles. Note that world map of total magnetic intensity published in *Ionospheric Radio Propagation* shows 0.239 Gauss near Rio de Janeiro, Brazil and 0.615 Gauss near Churchill, Manitoba, Canada. Spacecraft have noted higher energies of trapped particles over the former area (the South Atlantic) than other areas of the world.

The "permanent" magnetic field of the earth is not produced in the same manner as a bar magnet, which is created by the coordinated motion of electrons within iron atoms. The earth's core is too hot (>770°C) for that. The most credible explanation of the cause I have found is that of University of California professor Gary Glatzmaier who is quoted (in a web article entitled "Earth's Inconstant Magnetic Field":)

> At the heart of our planet lies a solid iron ball, about as hot as the surface of the sun. Researchers call it "the inner core." It's really a world within a world. The inner core is 70% as wide as the moon. It spins at its own rate, as much as 0.2° of longitude per year faster than the Earth above it, and it has its own ocean: a very deep layer of liquid iron known as "the outer core."
>
> Earth's magnetic field comes from this ocean of iron, which is an electrically-conducting fluid in constant motion. Sitting atop the hot inner core, the liquid outer core seethes and roils like water in a pan on a hot stove. The outer core also has "hurricanes"--whirlpools powered by the Coriolis forces of Earth's rotation. These complex motions generate our planet's magnetism through a process called the dynamo effect.

Glatzmaier and colleague Paul Roberts have modeled the situation of the core with equations of magnetohydrodynamics. They find similar changes to what have been found in paleomagnetism, namely that the magnetic field waxes and wanes, poles drift and occasionally flip.

The Earth's Inconstant Magnetic Field article also indicates that compass needles in Africa are drifting about 1 degree per decade, and that globally, the magnetic field has weakened 10% since the 19th century.

"What does this have to do with amateur radio?" you may ask. If you are surveying property (or for a very directive antenna), you would be better off using astronomical fixes than a compass.

We do not know for sure the extent of the change in the Earth's general magnetic field in the ionosphere caused by movement of the magnetic poles on the earth's surface. Let's assume, however, than a movement of the north magnetic pole of 10° to the north moves the contours of constant dip (over the continental USA) that far north as well. That could move the auroral zones 10° of latitude as well. Would the occurrence of aurora in Seattle mimic the occurrence of the same in San Francisco 40 or 50 years previously?

More important, would bumping the auroral zones 10° further north (for the western hemisphere) allow more 6m contacts between west coast USA and Europe and between east coast USA and Asia?

You've probably seen maps of the world-wide distribution of F-layer critical frequencies. These critical frequencies are determined more by magnetic dip than by solar zenith angle. For instance, locations in eastern Asia have higher MUFs than stations in North America at the same latitude. Also, daytime MUFs are higher during local winter than during local summer even though the sun is more directly overhead during the latter.

Would moving the winter daytime F2 critical frequency contours 10° further north help North American 6m operators? You better believe it!

On the other hand, if you're in Siberia or northern Japan perhaps you wouldn't welcome the north magnetic pole getting any closer.

Somewhere, someone must be gathering magnetic field data from one of the satellites still aloft. Done! In fact, IGRF05 is available and I am downloading it from NGDC, NOAA presently. More next month.

I am not as optimistic about updating ionospheric electron density models. Everything we've got is based on 1960's or earlier (IGY) data. There are (to my knowledge) no ionospheric sounders operating in space any more and the number on the ground is shrinking, as is government support for ionospheric physics.

Keep in mind that the F-layer may have moved 10° to the north for the western hemisphere since ionospheric models in present use were made. Or not!

The predictions you get from your favorite software will probably be pessimistic, but 6m hams have been happy to work with situations that are 3% probable (or less).

How much further do you think you could work (for a given propagation mode) if you had 20 dB more transmitter power or 20 dB more antenna gain? Not likely, you say? How about 20 dB or more signal processing gain? That's what 6m amateurs are claiming with JT65A. Better get with it before the next solar cycle starts (now estimated late 2007 or early 2008.)

February 2006 DX Reports

The following reports of 50 MHz DX propagation are courtesy of JA1VOK, W5UWB, K6QXY, G4UPS, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

Listings obtained from the OH2AQ reflector include distances in kilometers. These are determined preferentially from the grids in the post, and otherwise from one or both of the prefixes of the calls. Note that the latter results in VERY rough approximations to the distances, especially for large countries and call areas.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 2006. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, D=Telemtry Data, J=Digital, typically JT6M or JT65A for EME, R=RTTY, S=SSB, W=mode not mentioned (or both CW & SSB), H=heard only. BSc = backscatter.

Reports of Antarctica

St. Peter I Is.

```
02121116 3Y0X CQ  EU              50.010   I2FJS
02121648 3Y0X CW ?                50.110   SV1BYI
02140454 3Y0X I THINK I GOT HIM .110       K5NZ
02191233 3Y0X 59 >JO22 15885  50.110       PA1PA
```

Reports of Africa

MOROCCO

```
02211858 CN8MC 549 1675          50.026 B G4IGO
02211909 CN8MC 429 1675          50.027   G4PCI
```

Reports of Asia (FarEast)

JAPAN

```
02081338 JR6EXN EME 9820         50.031 J G4IGO
02221136 JA1ZYK 559 >PM37 1269  .023 B HL1LTC
02250251 JR1EDE PM98>EL96 11673 .240 H KE4WBO
```

KOREA,S.

```
01290649 DS1MFC >QM05            50.110 H JA1VOK
01290736 DS2CDI >QM05            50.110 H JA1VOK
01290738 DS1MIN CW >QM05         50.107 H JA1VOK
01310733 DS4DBF >QM05            50.110 H JA1VOK
02110909 DS1PDF >QM07            50.110 H JA1VOK
02150956 HL1LTC 1269             50.023   JE1BMJ
02151013 HL1LTC >QM05            50.110 H JA1VOK
```

Reports of Europe

ALAND IS.

```
02091942 OH0JFP 559 KP00>JO80 1139   H SP6MLK
02091957 OH0JFP 599 KP00AB 1713 .190 W S57RR
```

AUSTRIA

```
02012046 OE5MPL JT6M MS 1491  50.230   G4PCI
02041003 OE5MPL JT6M PETE 1491  .230 J G0CHE
02060841 OE5MPL W/EB1EHO JT6M 1556   H GW6TEO
02071514 OE6DJG 111               50.235 F S51DI
02121027 OE5MPL CQ JT6M 1491  50.230   G4PCI
02121045 OE5MPL JT6M 980      50.230 J OZ1DJJ
02121114 OE5MPL JT6M MS 838   50.227 J LZ4KK
```

BELGIUM

```
02030856 ON6AB JO21EC>IN73DM 1133       EB1EHO
02051325 ON6AB JT6M BRUNO 1053  .230 J S51DI
02072116 ON6AB CQ JT6M 2006   50.230   OZ1DJJ
02121214 ON6AB 225 JT6M 1922  50.230   G0CHE
02121221 ON6AB JT6M TROPO 1922  .225 J G4PCI
02141811 ON6AB JO21EC>IN73DM 1133       EB1EHO
02221754 ON4IQ VY LOUD>IO83 2161        G7HEJ
02221755 ON4IQ 57 JT6M TR 1922  .230   G4PCI
02221830 ON4IQ JT6M 1785      50.230 J DF2UQ
```

BULGARIA

```
02091833 LZ4KK JT6M 1858      50.230   PF7M
02120931 LZ4KK CQ JT6M 1762   50.230 H OZ1DJJ
02261553 LZ4KK 1161           50.230 H ON4IQ
```

CRETE

```
02041748 SV9 S5 QSB>JN53 1491 50.010 B IK5YJY
```

CROATIA

```
02111405 9A1Z  1565           50.230 J G4DEZ
```

CZECH REPUBLIC

```
02050855 OK1KRY JT6M 2122     50.230 J EB1EHO
02060933 OK1KRY TR 266        50.230 W OE5MPL
02260955 OK1HGM 599 JO60RN>JO50 173    DK2EA
```

DENMARK

```
02021539 OZ1DJJ JT6M MS 1086  50.230   G4PCI
02040921 OZ1BNN JO55>IO82 971 50.225   G0GMS
02050918 OZ0JD MS 1086        50.230 J G4IGO
02051542 OZ0JD CQ JT6M 1084   50.230   S51DI
02061531 OZ1BNN JO55>IO71 1144  .230   GW6TEO
02072135 OZ1DJJ JT6M BO 2006  50.230 J ON6AB
02091839 OZ9KY 529 JO59>JO45 460       LA9L
02091907 OZ2LD JT6M MS 1086   50.215   G4PCI
02091939 OZ1DJJ JT6M MS 1086  50.234 J G4PCI
02101919 OZ1BNN JT6M MS 1762  50.225 J LZ4KK
02110911 OZ0JD JT6M MS 1086   50.230   G4PCI
02120903 OZ1DJJ JT6M 222      50.230 J DF2UQ
02151454 OZ3ZW JT6M MS 1086   50.230   G4PCI
02151940 OZ3ZW JT6M MS 1086   50.230   G4PCI
02151949 OZ1DJJ JT6M MS 1086  50.230   G4PCI
02190940 OZ3ZW JT6M MS 1086   50.237   G4PCI
02190942 OZ3ZW TORBEN JT6M 1086 .230 J G0GMS
02190956 OZ3ZW JT6M MS 1086   50.222 J G0CHE
02191010 OZ0JD JT6M IONO 1086 50.230   G4PCI
02211401 OZ0JD JT6M MS 1086   50.230   G4PCI
02211815 OZ0JD JT6M MS 1086   50.230   G4PCI
02231912 OZ1DJJ -15 JT65A TR? 1086     G4PCI
02261016 OZ0JD JT6M MS 1086   50.230   G4PCI
02261044 OZ0JD JENS JO47>IO82 943    J G0GMS
02282113 OZ50MHZ JT6M MS 1086 50.236 J G4PCI
```

ENGLAND

```
02011945 G4PCI JT6M 265       50.230   GU8FBO
02011959 G4PCI CQ 1412        50.230   LA8NK
02021746 G4PCI CQ JT6M 1086   50.230   OZ1DJJ
02031435 G0CHE CQ JT6M 1122   50.230   EA7DUD
02031620 G0CHE 1533           50.230 J S59F
02031643 G8VYK 1533           50.230 J S59F
02032314 G4IGO -25 EME >CM88  50.205 J K6QXY
02032334 G4PCI -25 EME >CM88  50.205 J K6QXY
02040843 G4IGO CQ JT6M 1086   50.230   OZ1DJJ
02040902 G0CHE 227 JT6M 1086  50.230   OZ1DJJ
02040905 G0GMS CQ JT6M 1086   50.230   OZ1DJJ
02041234 G4IGO JT6M 1012      50.230 J DF2UQ
02041511 G4PCI CQ JT6M 265    50.230   GU8FBO
02041523 G4PCI JT6M 1550      50.230 J SP9HWY
02050839 G0GMS IO82>IN73 1018 50.230   EB1EHO
02050903 G0CHE JT6M KEV 1550  50.230 J SP9HWY
02051019 G0CHE JT6M 1012      50.230 J DF2UQ
02051050 G0GMS JT6M ES 1012   50.230 J DF2UQ
02051227 G1OAR CQ MS JT6M 1122  .230   EB1EHO
02051332 G0CHE CQ MS JT6M 1122  .230   EB1EHO
02051439 G4PCI CQ JT6M 1086   50.230   OZ1DJJ
02051510 G4PCI CQ JT6M 265    50.230   GU8FBO
02051830 G7RAU 1550           50.150   SP2CA
02052332 M0BCG JT65 EME >CM88 50.208 J K6QXY
02091610 G3ZJO JT6M TROPO 333 50.230 J GW6TEO
02101121 G4JZS CQ JT6M 265    50.230   GU8FBO
02101344 G8VYK CQ JT6M 265    50.230   GU8FBO
02101602 G4PCI CQ JT6M 265    50.230   GU8FBO
02110847 G0CHE CQ JT6M 1086   50.230   OZ0JD
02110855 G0CHE JT6M 1086      50.230 J OZ1DJJ
02111206 G3YJQ JT6M TR 333    50.230 J GW6TEO
02111220 G0CHE CQ JT6M 333    50.230   GW6TEO
02111349 G4DEZ 568 1565       50.230   9A1Z
02111445 G1OAR CQ 1202        50.230 H SM0TSC
02111823 G4PCI CQ 1412        50.230   LA8NK
02111857 G4PCI CQ JT6M 265    50.230   GU8FBO
02112022 G1OAR MEGABURST 1202 50.230   SM0TSC
02112329 G4DEZ IONO 1202      50.230 J SM0TSC
02120850 G1OAR IO82>IN73 1018 50.230   EB1EHO
02120859 G4DEZ JO03AE>IN73DM 1154      EB1EHO
02120918 G0GMS IO82>IN73 1018 50.230   EB1EHO
02120943 G4PCI 37 JT6M 333    50.230   GW6TEO
02121052 G1OAR CQ 1412        50.230   LA8NK
02121201 G0CHE 1412           50.230   LA8NK
02131700 G4DEZ JO03AE>IN73DM 1154      EB1EHO
02140836 G4DEZ JO03AE>IN73DM 1154      EB1EHO
02141006 G4DEZ JT6M MS IM86>JO03 1556J EA7DUD
02141219 G8VYK CQ JT6M MS 333 50.230   GW6TEO
02141222 G8VYK JO01FO>IN73DM 1009      EB1EHO
02141451 G0GMS IO82>IN73 1018 50.230   EB1EHO
02141848 G4PCI IO91AL>IN73DM 928       EB1EHO
02150827 G7HEJ CQ JTJM MS 333 50.230   GW6TEO
02151843 G4DEZ JO03AE>IN73DM 1154      EB1EHO
02161946 G4PCI IO91AL>IN73DM 928       EB1EHO
02170849 G0CHE IO90>IN73 853  50.230   EB1EHO
02170954 G0CHE JT6M MS 1086   50.227 J OZ1DJJ
02190950 G0GMS JT6M 1012      50.230 J DF2UQ
02191039 G4DEZ JT6M 1012      50.230   DF2UQ
02191526 M1BXF JT6M GAVIN 155050.228   SP9HWY
02191649 M1BXF JO02AB>IN73DM 1041      EB1EHO
02201936 GX7VHF JT6M 1012     50.230   DF2UQ
02211959 G8PL JT6M 596        50.230 J PE1MZS
02231900 G4IGO JT65 TR 1086   50.220   OZ1DJJ
02231918 G4DEZ 1533           50.230 J S59F
02241639 G8ASW JT6M MS 1086   50.230   OZ1DJJ
02250846 G7HEJ 30SEC JT6M 1086  .230   OZ1DJJ
02250907 G0CHE JT6M MS 333    50.230   GW6TEO
02261026 G1OAR 1086           50.230   OZ0JD
02261123 G0JHC 596            50.099 W PA2V
02261554 G4DEZ 1922           50.230   ON4IQ
02261925 G8PL JT6M            50.230   G4PCI
02262346 G4DEZ BRYN >KO02 155050.230   SO5AS
02280722 G8VYK JT6M 1086      50.230 H OZ1DJJ
02281259 G4DEZ JT6M MS 333    50.230   GW6TEO
```

FAROE ISLANDS

02062153 OY6SMC 55A IO87 598 50.035 GM0TGE

FINLAND

02040914 OH8HTG CQ 765 50.230 LA8NK
02041915 OH7RJ 1264 MS 50.230 J OZ1BNN
02062125 OH5RAC 519 KP30>JO80 1289 B SP6MLK
02062135 OH6MIK 765 50.230 LA8NK
02091920 OH5RAC MS KP30>JO80 1289 B SP6MLK
02092131 OH4LA PASI 1173 50.233 J SP9HWY
02191651 OH8HTG JT6M 765 50.230 J LA8NK
02261131 OH7RJ FB BURSTS 1173 50.230 SP9HWY
02261700 OH9SIX KP36>JQ78 1386 .067 B JW9DFA

FRANCE

02041052 F1UKQ CQ MS JT6M 983 50.230 EB1EHO
02041255 F6GEX CQ JT6M 1188 50.230 OZ1DJJ
02051201 F6GEX 1284 MS JT6M 1188 J OZ1BNN
02051209 F6GEX 1109 50.230 J ON6AB
02051222 F6GEX CQ 1394 50.230 CN8LI
02051232 F6GEX CQ MS JT6M 983 50.230 EB1EHO
02080936 F1RLF JT6M MS HUBERT 1059 GW6TEO
02111612 F6GEX CQ JT6M 813 50.230 G0CHE
02131130 F6GEX CQ JT6M 1188 50.230 H OZ1DJJ
02150700 F6FHP -23 EME>CM88 50.202 J K6QXY
02151528 F6GEX CQ JT6M 1188 50.230 OZ1DJJ
02171559 F6FHP CQ 50.200 EC1DMY
02191004 TM8TAF 50.220 F5LGB
02191223 TM8TAF 50.200 F8BBL
02261124 F6GEX IN97>IO82 573 50.230 J G0GMS

GERMANY

02041207 DF2UQ AXEL 416 50.230 J PE2PE
02041222 DF2UQ MS 1012 50.230 J G4IGO
02050933 DF2UQ JT6M 523 50.236 J LX3DX
02051010 DF2UQ JT6M AXEL MS 1012 J G0CHE
02051046 DF2UQ 1012 50.230 J G0GMS
02051106 DF2UQ JT6M 924 50.226 J GW6TEO
02051826 DL1EJA 56 JO31>IO90 584 H G7RAU
02120837 DF2UQ JT6M 222 50.230 H OZ1DJJ
02120906 DF2UQ 222 50.230 OZ1DJJ
02171955 DF2UQ JO90NH>JN49IB 761 J SP9HWY
02190951 DF2UQ JT6M 1012 50.230 J G0GMS
02191252 DF2UQ JT6M 1004 50.230 GU8FBO
02250250 DJ3ST JT65B O'S 7623 50.240 H KE4WBO
02250253 DL5QQ O'S JO32>EL96 7571 H KE4WBO

GREECE

02041747 SV3AQN 55 GIUSEPPE 1391 IK5RLP

GUERNSEY

02011512 GU8FBO CQ JT6M TR 265 .230 G4PCI
02031631 GU8FBO CQ 1366 50.230 S59F
02041058 GU8FBO CQ JT6M 265 50.230 G0CHE
02041114 GU8FBO IO71PS 439 50.230 GW3LEW
02041901 GU8FBO 1182 KM MS JT6M .230 J OZ1BNN
02051052 GU8FBO CQ JT6M 265 50.230 G0CHE
02051503 GU8FBO CQ JT6M 265 50.230 G4PCI
02111408 GU8FBO CQ JT6M 265 50.230 G0CHE
02121316 GU8FBO CQ JT6M 265 50.230 G0CHE
02121618 GU8FBO CQ JT6M 265 50.230 G4PCI
02131439 GU8FBO CQ JT6M 265 50.230 G4PCI
02131529 GU8FBO S9>IO81 362 50.230 GW3ORL
02141130 GU8FBO CQ JT6M 1128 50.230 OZ1DJJ
02171049 GU8FBO JP81NG 1820 50.230 J SM3BEI
02201153 GU8FBO 50W MS 265 50.230 J G4JZS
02221557 GU8FBO JT6M MS 573 50.230 GW6TEO
02281508 GU8FBO JT6M 265 50.230 G4PCI

ISLE OF MANN

02191212 GD0TEP 36 JT6M 464 50.230 G4PCI
02191218 GD0TEP JT6M TR IN89QK 585 J GU8FBO
02191227 GD0TEP JT6M 721 50.230 GU8FBO
02191237 GD0TEP IO74>IN73 1221 .230 EB1EHO
02191315 GD0TEP JT6M 1049 50.236 J DF2UQ
02191336 GD0TEP JT6M ANDY 1674 .236 J SP9HWY
02191442 GD0TEP JT6M 464 50.230 M0CTP
02192112 GD0TEP 36 JT6M 464 50.230 G4PCI
02221550 GD0TEP 36 JT6M 464 50.230 G4PCI
02231532 GD0TEP 36 JT6M 464 50.230 G4PCI
02231606 GD0TEP IO74>IM76 2001 .236 EA7DUD
02231614 GD0TEP JT6M 1896 50.236 CT1CBI
02251409 GD0TEP JR65A 1024 50.206 J OZ1DJJ
02281545 GD0TEP 36 JT6M 464 50.230 G4PCI

ITALY

02110856 I2KBD 779 50.230 J S59F
02251902 I5MXX JT6M MS 927 50.230 G4PCI
02260931 IV3MPI MS 927 50.230 J G4IGO
02260949 IV3MPI JT6M JO90NH 1048 J SP9HWY
02261106 I5MXX 927 50.230 G0GMS

JAN MAYEN

02062116 JX7SIX 579 IQ50 AURE 1978 B SM3GSK
02062148 JX7SIX 59 IO87 1472 50.079 B GM0TGE
02062150 JX7SIX 559 50.079 B G0REK
02062154 JX7SIX 569 IO88KI AUE 1377 B MM0DQP
02062205 JX7SIX 529 2245 50.079 B G4PCI
02062210 JX7SIX 539 IQ50>IO90 2233 B G7RAU
02062213 JX7SIX 41 >IO53OE 1924 .079 B EI2IP
02221835 JX7SIX 539>IO75 1678 50.079 B MM0AMW
02221907 JX7SIX 529>IO53OE 1924 .079 B EI2IP

LUXEMBOURG

02050924 LX3DX CQ JT6M 719 50.230 OZ1DJJ
02050941 LX3DX JT6M 523 50.236 J DF2UQ

NETHERLANDS

02041137 PE2PE JT6M 416 50.230 J DF2UQ
02051030 PA5JS CQ MS 50.230 EB1EHO
02120852 PA5JS JO21>IN73 1194 50.230 EB1EHO
02190909 PA5JS JT6M 596 50.230 G4PCI
02251707 PD0EBF >JO01BS 301 55.000 G6UT
02260947 PA2V CONTEST 1779 50.099 ON4IQ
02261023 PA2V TROPO 596 50.099 W G4IGO
02261102 PA2V 539 JO22>JN54 992 .099 I4LCK

NORWAY

02011537 LA7AJ JT6M 1537 50.230 GU8FBO
02022128 LA8NK CQ JT6M 2560 50.230 ON6AB
02040951 LA8NK CQ JT6M 1412 50.230 G4PCI
02051611 LA7AJ CQ JT6M 1412 50.230 G4PCI
02061007 LA8AV JO59>IO71 1337 50.230 GW6TEO
02071200 LA7AJ JT6M MS 1537 50.230 J GU8FBO
02092052 LA4LN 559 CQ 1604 50.140 S57RR
02112207 LA8NK CQ JT6M 1412 50.230 G1OAR
02242128 LA8NK JT6M MS 1412 50.230 G4PCI
02260911 LA7AJ JT6M 1218 50.230 J SP9HWY

POLAND

02012007 SP9HWY CQ JT6M MS 1550 .230 G4PCI
02031436 SP9HWY CQ JT6M 1550 50.230 G4PCI
02040908 SP9HWY MS 1550 50.230 J G4IGO
02040930 SP9HWY CQ JT6M 770 50.230 OZ1DJJ
02041503 SP9HWY CQ JT6M MS 1550 .230 G4PCI
02041520 SP9HWY JT6M 1550 50.230 J G4PCI
02050904 SP9HWY JT6M JUREK MS 50.230 J G0CHE
02051133 SP9HWY CQ JT6M 1550 50.230 G0CHE
02051246 SP9HWY CQ JT6M MS 50.230 G4PCI
02072058 SP9HWY CQ JT6M MS 50.230 G4PCI
02081936 SP9HWY CQ JT6M 1550 50.230 G0CHE
02092015 SP9HWY 685 50.233 SM6MVE
02141020 SP9HWY CQ JT6M MS 1550 .230 G3UYM
02141147 SP9HWY W/ GW3LEW 1456 .230 GU8FBO
02142101 SP9HWY CQ JT6M 770 50.230 OZ1DJJ
02142150 SP9HWY JUREK 1218 50.230 LA8NK
02191003 SP9LCV JT6M 1550 50.230 G0CHE
02191152 SP9HWY JT6M MS 1550 50.230 G4PCI
02192102 SP9HWY JT6M 1550 50.230 G4PCI
02241930 SP9HWY JT6M MS 1550 50.230 G4PCI
02250752 SP9HWY JT6M 1550 50.230 G7HEJ
02250926 SP9HWY JT6M 770 50.230 OZ1DJJ
02250946 SP9HWY JT6M MS 1550 50.230 J G0CHE
02251140 SP9HWY JT6M 1550 50.230 G4PCI
02262347 SOSAS 1550 50.230 J G4DEZ

PORTUGAL

02171852 CT0SIX 539 >JM49OH 1424 B IS0GQX
02211853 CT1HZE 59 1479 50.110 G4IGO
02211854 CT1HZE 55 1479 50.150 G4PCI
02212009 CT1HZE 59 1479 50.110 G0CHE
02212024 CT1HZE 1462 50.110 IW3HUL
02232111 CT1HZE IM57NH>IN73DM 740 EB1EHO

ROMANIA

02050744 YO2IS CQ JT6M 1579 50.230 H OZ1DJJ
02250911 YO5BWD JT6M 813 50.230 J SP9HWY

SCOTLAND

02051754 GM4WJA JT6M MS 1179 50.230 J GU8FBO
02062024 GB3LER 53A>IO75 603 50.064 B MM0AMW
02101908 GM4WJA CQ JT6M 925 50.230 G0CHE
02101912 GM4WJA CQ JT6M 1179 50.230 GU8FBO
02111304 GM7PBB CQ JT6M 925 50.230 G4PCI
02121049 GM7PBB JT6M 1244 50.230 J DF2UQ
02122040 GM4WJA CQ JT6M MS 925 .230 G4PCI
02122115 GM4WJA IONO 1250 50.230 J SM0TSC
02132003 GM4WJA CQ JT6M MS 925 .230 G4PCI
02191006 GM4WJA JT6M 1244 50.230 J DF2UQ
02201526 GB3LER 59A>IO83 787 50.064 B G7HEJ
02251846 GM4WJA JT6M MS 925 50.230 G4PCI
02251909 GM4WJA JT6M 1005 50.230 PE1BTX
02251918 GM4WJA JT6M JOHN 1882 .230 J SP9HWY
02271933 GM4WJA JT6M MS 925 50.230 G4PCI

SERBIA

02052318 YU1CF JT65 EME >CM88 50.208 J K6QXY
02121759 YU1CF 26 EME 1720 50.188 J G4IGO
02130026 YU1CF -27 JT65A KN03 50.208 J W5OWB

SLOVAKIA

02011623 OM3ID 579 JN88ME>JN86FJ 203 9A1Z

SLOVENIA

02011210 S57RR 559 779 50.100 IW0FFK
02011947 S51DI JT6M MS 1533 50.230 G4PCI
02031624 S59F JT6M IVO 1533 50.230 J G0CHE
02041949 S51DI JT6M MS 1533 50.230 G4PCI
02042030 S51DI 1055 KM MS JT6M .230 J OZ1BNN
02051326 S51DI CQ JT6M 1053 50.230 ON6AB
02051340 S51DI CQ JT6M 222 50.230 OM5CW
02051453 S51DI CQ JT6M MS 1533 .230 G4PCI
02051537 S51DI JT6M 1084 50.233 J OZ0JD
02091813 S59F CQ JT6M 1533 50.230 G0CHE
02092018 S57RR NICE SIG 1604 50.140 LA4LN
02101527 S59F CQ JT6M MS 1533 50.230 G4PCI
02110859 S59F JT6M 779 50.230 J I2KBD
02141434 S59F CQ JT6M 1366 50.230 GU8FBO
02191053 S59F JT6M 1533 50.230 G0CHE

SPAIN

02030932 EA1KV JT6M 1587 50.230 J ON6AB
02030940 EA1KV CQ JT6M 943 50.230 GU8FBO
02040927 EB1EHO JT6M LUIS 1122 .230 J G0CHE
02040937 EA1KV 246 JT6M 1122 50.230 G0CHE
02040945 EB1EHO CQ JT6M MS 1122 .230 G4PCI
02051217 EB1EHO CQ JT6M 1587 50.230 ON6AB
02051258 EB1EHO CQ JT6M 1122 50.230 G4PCI
02051339 EB1EHO CQ JT6M MS 1122 .230 G0CHE
02061920 EB1EHO CQ JT6M MS 1122 .230 G4PCI
02120818 EA7DUD IN73DM>IM76 50.230 EB1EHO
02120915 EA7DUD CQ JT6M 50.230 G4PCI
02121342 EB1EHO CQ JT6M 1122 50.230 G0CHE
02122051 EB1EHO CQ JT6M MS 1122 .230 G4PCI
02130913 EB1EHO CQ JT6M 2038 50.230 H OZ1DJJ
02131416 EB1EHO CQ JT6M MS 1122 .230 G4PCI
02140834 EA7DUD IN73DM>IM76 50.230 EB1EHO
02141821 EB1EH0 CQ JT6M 1122 50.230 G4PCI
02141823 EB1EHO JT6M 1122 50.230 G4PCI
02151028 EA7DUD IM76>IO71 50.222 GW6TEO
02151131 EB1BMO JT6M IM76>IM73 333 EA7DUD
02161931 EB1GQB CQ JT6M 1122 50.230 G4PCI
02161933 EB1EHO CQ JT6M 1122 50.230 G4PCI
02170810 EA7DUD IN73DM>IM76 50.230 EB1EHO
02170814 EB1EHO JT6M IM76>IM73 333 EA7DUD
02171528 EB1GQB CQ 50.100 EC1DMY
02171530 EB1GQB 559 IN82>IN94 274 F6FHP
02171836 EB1EHO CQ JT6M MS 1122 .230 G4PCI
02191249 EB1GQB JT6M 1122 50.227 G4PCI
02191625 EB1EHO JT6M 1122 50.230 G4PCI
02220835 EA7DUD JT6M IM73>IM86 379 EB1BMO
02221716 EB1EHO 1587 50.230 ON4IQ
02231504 EB1GQB JT6M MS 1122 50.230 G4PCI
02232027 EA7DUD IN73DM>IM76 782 .230 EB1EHO
02251011 EB1EHO JT6M MS 1122 50.230 G4PCI
02251014 EH1KV JT6M MS 1122 50.230 G4PCI
02251114 EB1EHO JT6M MS 1122 50.230 J G0CHE
02251303 EA7DUD IN73>IM76 778 50.235 J EB1BMO

SVALBARD

02062224 JW7SIX 559 IO80 3133 50.079 B G4IGO
02261702 JW8AJA JAG LYSSNAR 2385 SM1TDE

SWEDEN

02040938 SM3BIU 568 50.230 LA8NK
02091808 SM3BEI JT6M 125 50.220 J OZ1DJJ
02091815 SM3BEI CQ JT6M MS 1202 .220 G4PCI
02091852 SM6MVE CQ JT6M MS 1202 .230 G4PCI
02092022 SM6WET JT6M MS 1684 50.245 J LZ4KK
02092028 SM6WET 559>JN65 1111 50.165 S57RR
02092034 SM6MVE JO67>JO90 893 50.233 J SP9HWY
02092102 SM3BEI LENNART 685 50.233 J SP9HWY
02092120 SM6WET JO68>IO71 1379 .222 GW6TEO
02092141 SM3BEI JT6M MS 568 50.220 J LA8NK
02101829 SM0TSC CQ JT6M MS 1202 .230 G4PCI
02171033 SM3BEI CQ JT6M MS 1230 .230 GU8FBO
02171113 SM3BEI JT6M MS 1202 50.230 J G0CHE
02280750 SM3BIU JT6M 125 50.230 J OZ1DJJ

SWITZERLAND

02120830 HB9MFD JT6M 1038 50.230 H OZ1DJJ
02120832 HB9MFD PAUL 987 50.230 J SP9HWY
02120914 HB9MFD 1038 50.230 J OZ1DJJ
02150831 HB9MFD JT6M MS 1038 50.230 J OZ1DJJ
02190910 HB9MFD JT6M TR 828 50.230 J DF2UQ
02190922 HB9QQ JT6M 828 50.230 J DF2UQ
02231604 HB9SIX 529 JN47QF>JO50 382 DK2EA
02260957 HB9SIX 529 JN47QF>JO50 382 DK2EA
02261015 HB9MFD JT6M PAUL 987 50.230 J SP9HWY
02261315 HB9SIX 579 JN54>JN47 367 B I4LCK

UKRAINE

02041115 UT7UV JT6M 1868 50.235 J OZ1DJJ
02260807 UT4UO JT6M JO90NH 1279 .230 J SP9HWY
02260824 UT4UO JT6M MS 1868 50.230 J OZ1DJJ
02260844 UT4UO JT6M 1868 50.230 OZ1DJJ
02260858 UT4UO FB BURSTS 1287 50.230 SP9HWY
02280710 UT4UO MS JT6M 1868 50.230 H OZ1DJJ

WALES

02041111 GW3LEW JT6M TR 573 50.230 J GU8FBO
02051109 GW6TEO JT6M 924 50.226 J DF2UQ
02051544 GW3ORL CQ JT6M 333 50.230 G0CHE
02060941 GW8TEO JT6M GORDON 1059 J F1RLF
02061530 GW6TEO 1192KM 50.230 J OZ1BNN
02061552 GW3LEW 1131KM 50.230 J OZ1BNN
02071912 GW3LEW CQ JT6M 333 50.230 G4PCI
02091613 GW6TEO CQ JT6M 333 50.230 G4PCI
02110842 GW3ORL JT6M IO81>IM76 1675 J EA7DUD
02110851 GW3ORL CQ JT6M 929 50.230 OZ0JD
02111135 GW6TEO CQ JT6M 333 50.230 G4PCI
02131421 GW6TEO CQ JT6M 333 50.230 G4PCI
02141216 GW3LEW JT6M GEOFF 1535 .230 J SP9HWY
02141404 GW3LEW IO71>IN73 888 50.230 EB1EHO
02141440 GW6TEO IO71LP>IN73DM 904 EB1EHO
02141829 GW6TEO CQ JT6M 333 50.230 G4PCI
02150931 GW6TEO IO71LP>IN73DM 904 EB1EHO
02191711 GW3ORL JT6M 333 50.230 G4PCI
02192028 GW3ORL JT6M 333 50.230 G4PCI

Reports of North America

ALASKA

02030XXX KL7 DATA S1-5 >CM88 40.53 D K6QXY

BARBADOS

02240235 8P9EN 4791 50.110 PP5JD

CANADA, VE4

02060347 VE4VHF 579 EN19>EM17 1334 B N0JK
02060414 VE4SPT EO26>EN44 1363 .025 B K9MU

CANADA, VE7

02030135 VE7DAY CO70>DM12 2106 .130 N6CW
0204014XX VE7s >CM88 K6QXY
02040406 VE7DAY >SAN DIEGO 1222 .125 KU6A
02040536 VE7DAY CO70>DM04 1844 .125 N3LQ
02052103 VE7DAY 559 CO70>DM43 50.125 AC7XP
02060037 VE7DAY 55 CO70>DM43 2207 KF7E
02060119 VE7DAY CO70 1453 & 0151 KO6WQ
02060120 VE7s >CM88 K6QXY
02060218 VE7DAY JOHN CO70>CM98 1370 K6QG
02060243 VE7CA MARK CN89>CM98 1233 K6QG
02060245 VE7CA CN89 1334 50.130 KO6WQ

COSTA RICA

02232256 TI5XP 5725 50.110 PP5AR

DOMINICAN REPUBLIC

02222315 HI3TEJ JT6M (K7BV) 3063 N5BO

MARTINIQUE

02220058 FM5JC CQ 4951 50.110 PP5AR
02230049 FM5JC 59 >GG46 4362 50.110 PY5EW

MEXICO, XE1

02020230 XE1BEF >CM88 K6QXY
02212111 XE1KK 437CHIRPY >RF70 B ZL2TPY

MEXICO, XE2

02052134 XE2TH DM30>CN96 50.125 W7FHI
02052250 XE2OR DL98 2274 50.125 N6CW
02052252 XE2OR 59 >DM15 50.125 WA6TFZ
02052339 XE2OR 59 >DM16 50.125 KQ6MU
02052345 XE2OR 2274 50.125 WA6FXL
02052355 XE2MX DM11>EM02 1698 50.125 AE5B
02060032 XE2TH 1201 50.125 KF7E
02060205 XE2MX DM11>CN85 1640 50.110 W0RLI/7
02080033 XE2TZP 55 DM30>EM17 1664 N0JK
02080330 XE2MX DM11>CN85 1640 50.135 W0RLI/7
02080338 XE2MX DM11>DN17 KE7DJL
02140103 XE2OR DL98>FM06 2239 50.125 KB4XK
02150256 XE2AT DL81>EM12 50.125 WA8ZBT
02150258 XE2AT 294 50.125 K5RGE
02150307 XE2OR 1922 50.100 K9WZB
02150313 XE2OR 59 DL98>DM33 50.125 NR5O
02150314 XE2OR 59 DL98>DM43 50.125 AC7XP
02150332 XE2AT >DN40 UT H KE7DJD
02150341 XE2OR DL98, XE2AT DL81 .125 W W7RV
02160256 XE2AT DL81>EM14 1559 50.125 W5IF

MEXICO, XE3

02010239 XE3ARV CW 2588 50.125 K2BA

PUERTO RICO

02240049 WP3UX 238 50.110 KP2HC
02250502 WP3UX FK68>GI64 3453 50.110 PR8ZX
02260139 KP3A 5571 50.130 PP5JD
02260141 WP4LUU FK68 5571 50.130 PP5JD
02270004 WP4LUU 51>GG67JI 5054 .120 ZZ2TUA
02270005 KP4YI 52/51>GG67JI 5054 ZZ2TUA
02270051 WP3UX WILLEM 238 50.110 KP2HC

ST BARTHELEMY

02050219 FJ5DX 5331 50.110 PY5HOT
02052215 FJ5DX PHIL 212 50.110 KP2HC
02070054 FJ5DX CQ 5331 50.110 PP5AR

ST KITTS & NEVIS IS.

02220318 V44KAI 529>GG46 4740 50.055 B PY5EW
02230028 V44KAI 559>GG46 4740 50.055 B PY5EW
02270014 V44KAI 519 >FK68 437 50.055 B WP3UX
02270043 V44BAI FK77 212 50.056 B KP2HC
02281911 V44KAI FK87>FK77 212 50.056 B KP2HC

VIRGIN IS.

02051940 KP2HC 57 FK68 238 50.110 WP4NIX
02092348 KP2BH 238 50.110 W WP3UX
02250056 KP2HC BRAIN 238 50.110 W WP3UX
02270050 KP2HC BRAIN 238 50.110 W WP3UX

United States, W1

02061711 WA1T S5 FN43>EM66 50.125 K4AL
02110122 K1SG 65A EME -25 50.197 J M0BCG
02121454 W1RZF FN42>EM83 1448 50.265 AG4ZE
02170036 K1BO EM10>EM95 1589 50.125 AA5VU
02191423 K1PJM FN34>EM84 1401 50.125 W4WA
02191432 W1/WA2SPL LONG MS BURN 1987 W4WA
02240227 N1DVL 662 50.180 KA3DQD
02261621 W1ZC 50.125 K1TTT
02281754 W1JJ EME -24 5404 50.206 J PE1BTX

United States, W2

02041859 AC2AA 391 50.125 K1TTT
02080242 K2AOP 58 DM69 2689 50.125 W8ERI
02121539 KE2EB CQ CW 391 50.125 K1TTT
02132307 K2YYF 53 EM12>EM79 1328 W8IF
02140017 W2GFF 2512 50.091 N5BO
02232332 KE2EB FN32 274 50.125 K1TTT

United States, W3

02020321 KE3D 3943 50.130 N6HC
02121337 N3RN FN11>EM83 1034 50.265 AG4ZE
02150056 W3CMP FN10>EM89 522 50.145 WZ8D
02170053 N3DB CQ 662 50.125 W1JJ
02171423 KB3HJA 662 50.125 K1TTT
02210154 AB3BK 529 FN10>EM60 1431 H N5BO

United States, W4

02010211 KF4N 1647 50.230 K2HAL
02011531 KI4GDD 59 EL95>EM89 1567 WZ8D
02031335 N4JRN FM04>FN43 1214 50.125 WA1T
02032300~W4s TN >CM88 K6QXY
02040lXX W4s FL >CM88 K6QXY
02040230 KD4ESV EL87>DM33 2939 .125 K7ZD
02040306 KD4ESV EL87>CM87 3879 .150 KB6NAN
02040336 W4/W3HH EL89>EM10 2271 .060 B K5AB
02040337 K4AHO EL98>EM10 1753 50.077 B K5AB
02040339 W4CHA EL88>EM10 1562 50.080 B K5AB
02061840 W4/W6SJR 59 EM56>DM54 1820 W4GIB
02061840 W4/W6SJR EM56>DM54 1820 W4GIB
02080158 N4LI EM55>DM33 2204 50.140 K7ZD
02090228 K4MSG EM83>FM19 855 50.265 AG4ZE
02090300 KI4BWW EM83>FM05 428 50.260 AG4ZE
02132305 KG4PSR 43 EM65>EM79 478 W8IF
02140140 N4CC EM80>EM60 383 50.125 H N5BO
02140212 KD4HLG 559 EM73>DN70 1933 B K0GU
02140213 K4TQR EM63>DN70 1773 50.060 B K0GU
02160137 KE4WBO EL96>EM60 735 50.098 N5BO
02160202 KE4WBO 55 EL96>DM43 50.140 AC7XP
02170044 KE4WBO 57 GRAHAM 1544 .125 K9MU
02170048 K4QV 59 EM96>EM22 50.180 W5TDN
02170056 KD4ESV 53 >EM25DI 50.125 KM5ES
02170155 KD4ESV EL97>EM02 1817 .125 AE5B
02181831 KD4TID 57 EM96>EM76 N4FLM
02190420 KG4RMD 53>EL99 1541 50.140 W2RAC
02220146 W4TAA EL87>EM60 512 50.125 H N5BO
02251442 W4??? EM84>FN32 1242 50.125 K1TTT
02280045 K4HRS 559 EL98>EL96 222 B KE4WBO

United States, W5

01310050 W5s NM >CM88 K6QXY
02012022 WA5UFH 41 EL19>EM60 968 N5BO
02020039 W5RP DM91>EM60 1337 50.074 B N5BO
02020048 KD5PPP DM63>EM60 1911 .155 N5BO
02020105 KE5EKD EL19>EM60 968 50.125 N5BO
02020109 W5WRL DM82>DM04 1498 50.135 N3LQ/6
02020117 W5RVB EM04>DM04 1829 50.124 N3LQ/6
02020134 W5JVH EL09>EM60 1160 50.127 N5BO
02020212 N5RGV 59>EL15>EM56 1618 KF4ODI
02020226 W5JVH EL06>EM60 1253 50.128 N5BO
02020238 N5RGV EL15>EM60 1127 50.128 N5BO
02020240 W5/KH6ITY EL15>EM60 1127 N5BO
02020314 W5WVO DM65>DM04 1097 50.135 N3LQ/6
02030532 NJ5X 55 EM30>EM42 292 .125 N5ASA
02032137 W5/W9XQ 57 >EL17 50.125 S W5UWB
02032140 W5WVO 59 DM65>EL17 50.125 S W5UWB
02032228 K5AB S7>DM25 1589 50.060 B K7FED
02032232 KD5MQL 59 DM61>EL17 50.175 S W5UWB
02032300~K5AB,W5s TX,OK,LA >CM88 B K6QXY
02032307 N5WPV 55 DM61>EL17 50.150 S W5UWB
02032325 W5ZF NM 1139 50.125 N0JK
02032330 W5ZF EM12>DM65 928 50.125 AD5VJ
02032337 AD5VJ 50.125 KB6NAN
02032353 N5RGV EL15>EM17 1334 50.125 N0JK
02040008 WB5KIA EM13>CM97 2210 .145 K3UG
02040018 W5/KH6ITY EM12>EL15 778.120 AD5VJ
02040045 W5/K9ITK DM62>CN85 1992 W0RLI
02040053 W5/K9ITK DM62>EN43 1854 KA9FOX
02040057 W5/K9ITK DM62>EN44 1921 K9MU
02040100 KD5PPP 59 DM63>EN44 1839 K9MU
02040128 W5ZF DM65>CN85 1745 50.125 W0RLI/7
02040203 WB5KIA EM13>CN85 2581 .140 W0RLI
02040213 AA5XE EM00>CN85 2665 50.145 W0RLI
02040216 W5/W6JKV 20 EM10>DM14 1923 W6KK
02040224 W5GMC EM15>CN85 2448 50.125 W0RLI/7
02040226 WB5AFY EM04>CN85 2368 .130 W0RLI
02040228 W5WVO 59 DM65>EN50 1602 K9CT
02040229 W5WVO 59 DM65>EN50 1602 K9CT
02040231 KD5PPP 5X7 EM79>DM63 2069 W8IF
02040232 AA5CH EM35>CN85 2748 50.130 W0RLI
02040233 KD5PPP 59 DM63ID>EN50BQ 1756 K9CT
02040251 W5WVO DM65>CN85 1745 50.135 W0RLI/7
02040330 K5AB 529 EM01>EN44 1604 B K9MU
02042110 KM5ES EM83>EM25 1120 50.257 AG4ZE
02051353 K5CZD EM83>EM32 938 50.265 AG4ZE
02052354 K5AB S7>DM25 1589 50.060 B K7FED
0205XXXX K5AB,W5s NM >CM88 B K6QXY
02060009 W5WVO DM65>EM79 1985 50.130 WE9M
02060017 K5DYY EL07>CN85 2912 50.135 W0RLI/7
02060024 KC5NOA EL08>CN85 2828 .150 W0RLI
02060053 K5AB EM10>CN85 2802 50.060 B W0RLI/7
02060113 N5HMH EM32>EN44 1345 50.125 K9MU
02060114 W5ZF/M DM65>CN85 1745 .125 W0RLI/7
02060128 W5ZF/M DM65>EM17 NM>KS 920 N0LD
02060224 K5AB S7>DM25 1589 50.060 B K7FED
02060319 K5DYY 57 EL07>EN44 2019 K9MU
02060402 W5/KB2MEZ DM72>CN91 1733 NT6K
02061643 K5AB 529 EM01>EN44 1604 B K9MU
02061646 W5CMP 55 EM12>EN44 1431 K9MU
02072353 W5RVB 1337 50.130 K7SP
02080007 KE5EYQ 1337 50.125 K7SP
02080048 K5AB 599 1337 50.060 B NX7U
02080113 W5s NM,TX >CM88 K6QXY
02080211 WB5NRI EM22>CM87 2599 .125 KB6NAN
02080215 K5AB EM01>CN85 2587 50.060 B W0RLI/7
02080227 W5WVO 9+ DM65>CM89 1477 WA6FXL
02080235 W5WVO S9 DM65>CN85 1745 W0RLI
02080237 W5WVO DM65>CN85 1745 50.160 W0RLI
02090418 W5/KB2MEZ NM 50.130 KI6CG
02090432 W5/KB2MEZ 57 DM72>CM89 1791 WA6FXL
02090445 W5WVO 55 DM65>CM89 1477 WA6FXL
02090448 W5WVO DM65 2672 50.125 W3AB
02100149 W5ZF/M DM65>EM02 808 50.125 AE5B
02120024 KE5AVC 58>FM16 2140 50.140 W4RVZ
02120036~K5AB, W5s TX,NM >CM88 B K6QXY
02120039 W5WVO 57 DM65>EL17AX 50.135 W5UWB
02132253 KI5TE EM04>EM60 1208 50.125 N5BO
02132259 KD5PBR EM04>EM79 1359 .125 W8IF
02132300 KI5TE 5X2 EM04 1557 50.125 W8IF
02132302 W5RVB 56 EM04>EM79 1617 W8IF
02132337 N5PVL EM04>EM60 1208 50.125 N5BO
02132344 N5HMH 1753 50.125 N4BH
02132346 KG5DSL 1753 50.125 N4BH
02132347 W5RVB EM83>EM04 1477 50.130 AG4ZE
02132351 WB5SGN 1753 50.125 N4BH
02132352 W5ZEB 1753 50.125 N4BH
02132354 W5SSG EM11>EM60 959 50.140 N5BO
02132358 KE5FWT EM46>EM60 763 50.125 N5BO
02140008 KD5PBR EM83>EM04 1477 .128 AG4ZE
02140010 WB5NRI LEON EM22>EM84 1133 K4YYL
02140012 KD5PBR EM04>EM60 1208 .128 H N5BO
02140015 K5AB EM01>EN80 1748 50.060 B N4DB
02140019 W5TDN 1753 50.125 N4BH
02140021 KC5JYW 1753 50.125 N4BH
02140024 KB5KYX EM83>EL29 1220 .128 AG4ZE
02140027 KE5ADC EM83>EM21 1146 .133 AG4ZE
02140028 N5BO EM60>EM18 1275 50.155 N0JK
02140029 AA5SJ EM10>EM83 1360 50.133 AG4ZE
02140033 W5SSG EM11>EM83 1330 50.133 AG4ZE
02140036 WB5OBS EM83>EM20 1178 .133 AG4ZE
02140040 KC5AN EM12>EM60 973 50.099 N5BO
02140109 KD5YZU EM95>EL09 1811 .525 KF4TVI
02140119 N5BO EM60>EM13 999 50.125 N0RQ
02140125 KD5RPE DM84>EM60 1562 .125 N5BO
02140133 NO5E EM26>EM60 996 50.125 N5BO
02140136 W5/W6ZI EM26>EM60 996 .140 N5BO
02140138 KD5RPE DM84 1880 50.140 W8IF
02140142 W5TDN EM22>EM60 790 50.125 H N5BO
02140143 KD5RPE 59 DM84>EM89 1856 WZ8D
02140144 KD5RPE EM83>DM84 1843 .140 AG4ZE
02140145 K5AB EM01>EM89 1695 50.060 B WZ8D
02150315 K5AB 579 EM01>DM43 50.060 B AC7XP
02150345 W5RP 559 DM91>DM43 50.074 B AC7XP
02160056 W5RP DM91>EM60 1337 50.074 B N5BO
02160139 W5RP 529 >DM16 50.074 B KQ6MU
02160147 W5RP, K5AB >DM43 50.074 B AC7XP
02160207 N5DGR 59 EM10>DM15 50.130 WA6TFZ
02160217 N5DRG EM10>DM12 1906 50.130 N6CW
02162348 KD5PBR S7 EM04>FM03 50.125 KI4AOQ
02170016 N5BO 59 EM60>EM09 N0LL
02170018 WB5KIA S5 EM13>FM03 50.125 KI4AOQ
02170021 KD5UVA S5 EM12>FM03 50.125 KI4AOQ
02170038 WB5KIA EM13 STEVE 50.125 W W4GCB
02170106 K5DNL 59 EM15>EM60 50.135 KW4RZ
02170108 W5OZI 59 EM00>DN70 50.122 H W5OZI
02170113 WB5LLI EM40>DN70 1681 .060 B K0GU
02170119 WB5NRI 59 EM22>DM43 50.125 AC7XP
02170121 W5RP 599 DM91>DM43 50.074 B AC7XP
02170149 W5TDN,WB5NRI EM22>EM60 .125 KW4RZ
02170154 N5BO 52 EM60>EM12 K5KHK
02170210 KD5MQL 59 DM61>DM12 KG6IYN
02170226 N5WPV 55 DM61>DM12 KG6IYN
02170238 K5KEG 59 EL09>DM43 52.525 F AC7XP
02170246 W5QXX EM00>DM12 50.135 KG6IYN
02170254 N5DDD 55 EL19>DM12 50.125 KG6IYN
02170353 W5/W3XO 59 EM00>DM12 50.135 KG6IYN
02171704 W5/KB2MEX 59 DM72>EM22 .125 WB5NRI
02192222 AE5B 57 DM02>DM14 50.125 KF6PLG
02200126 K5BZM 55 EM18>DM12 KG6IYN
02200157 W5RP 599 DM91>DM43 50.074 B AC7XP
02200201 K5AB 599 EM01>DM43 50.060 B AC7XP
02200202 K5BZM H 2337 50.125 H KB6NAN
02200202 W5HN 579 EM13>EM43 50.070 B AC7XP
02200205 K5DDH 59 EM01>DM43 50.125 KD6TAQ/
02200235 KC5JYW EL29>DM43 50.140 KD6TAQ/
02211542 W5OZI MS 294 50.110 S XE2AT
02212342 N5SIX/M 41 EM43>EM60 503 N5BO
02220302 N5BO EM60>EM89 1064 50.125 WZ8D
02221719 K5AB 529 >DM16 B KQ6MU
02232345 W5/W6ZI 441 EM26>EM60 996 N5BO
02261442 K5AB S3 >DM65RD B N5JEH

United States, W6

02020059 KG6YOF DM04>EM02 1864 .125 AE5B
02020144 WA6TFZ DM15 1764 50.096 K5GM
02020148 K6PHE 59 DM13CP>EL87 3383 W1GUD
02020150 KQ6MU DM16>EM02 1705 50.150 AE5B
02020206 KQ6MU DM16>EM18 1774 50.155 W N0JK
02020250 KQ6MU DM16>EM12 1881 50.160 N5WD
02030219 KE6HER DM13>CN85 1428 .135 W0RLI
02030224 W6/WB2WIK DM04>CN85 1269 W0RLI/7
02031800~N6NB TR OR SHORT Es >CM88 B K6QXY
02032318 WA6YGB 53 DM04>EL17 50.150 S W5UWB
02032322 K6QXY EME 8609 50.205 G4IGO
02032334 K6QXY -25 JT65A EME 50.205 G4PCI
02040011 WA6LIE CM97>EM55 2854 .125 N4JQQ
02040026 WB6ZEJ DM64>CN85 1824 .125 W0RLI
02040033 K6QG CM98>EM17 2099 50.125 N0JK
02040043 WA6TFZ DM15>EM17 1797 .130 N0JK
02040126 K6LIG DM12>EN43 2569 50.125 KA9FOX
02040130 WA6KLK CM89>EM45 2842 .145 W5ZN
02040149 K6MYC DM07>EN43 2446 50.145 KA9FOX
02040403 W6CGH DM13>CN85 1428 50.125 W0RLI/7
02040405 KQ6MU DM16>CN85 1119 50.125 W0RLI/7
02040418 N6NB DM05>CN85 1161 50.068 B W0RLI/7
02040419 K6FV CM87>CN85 889 50.069 B W0RLI/7
02040420 K6GXO DM04>CN85 1269 50.125 W0RLI/7
02040459 KG6OQK CM88>CN85 778 50.130 W0RLI
02040525 WA6LIE CM96>CN85 1014 .145 W0RLI
02040547 N6TU CM97>CN85 904 50.130 W0RLI/7
02051925 KQ6MU 55 DM16>DN05 1014 W7BX
02051945 K6ZTP 55 DM03>DN05 1334 W7BX
02051952 KD6TAP 33 DM03>DN05 1334 W7BX
02052210 KC6UIX DM14>EM02 1681 .125 AE5B
0205XXXX N6NB >CM88 B K6QXY
02060000 KQ6MU DM16>EL29 2187 50.125 KE5DFA
02060043 K6GXO 55>DM04 3641 50.155 W4GIB
02060055 WB6KLL DM05>CN85 1161 .125 W0RLI
02060118 W6JRA DM13>EL87 W W4TAA
02060132 NT6K WEAK CN91>CN85RL .175 H KI7JA
02060138 NT6K CN91>DM04 797 50.138 N3LQ/6
02060148 WB6FFC CN82 555 50.135 KO6WQ
02060209 KG6OQK CM88 3409 50.140 WZ8D
02060229 KG6ASY 51 CM88>EM39 2582 N0PB
02060234 WB6KWL 55 CM87>EM89 3458 WZ8D
02060240 K6FV CM87>CN85 889 50.069 B W0RLI/7
02060242 KQ6MU DM16>CN85 1119 50.160 W0RLI/7
02060255 N6IL CM86>CN85 1000 50.135 W0RLI/7
02060302 KG6OQK CM88>CN85 778 50.145 W0RLI
02060306 WY6DX 559 DM04>CN89 1699 VE7CA
02060310 NT6K CN91 476 50.132 KO6WQ
02060331 K6FV 579 CM87>DM37 50.069 B KD7WPJ
02060452 K6MYC DM07 3609 50.125 W3AB
02080108 W6CAP DM14>EM17 1825 50.127 C N0JK
02080134 W6CAP 1579 50.125 W0EB
02080137 KQ6MU 1579 50.145 W0EB
02080213 W6JRA DM13>EM17 1860 50.098 N0JK
02080252 KQ6MU 2337 50.145 N5CRO
02080306 KQ6MU DM16>EM13 1848 50.145 N0RQ
02080328 KG6IYN DM12>CN85 1534 .135 W0RLI
02080329 KG6DHQ DM04>EM13 2026 .130 N0RQ
02091530 K6FV 339 CM87>DM43 50.069 B AC7XP
02091530 K6FV M/S CM87>DM16 50.069 B KQ6MU
02100232 N6NB DM05>EM02 1869 50.068 B AE5B
02120035 K6LIG DM12>EM02 1685 50.125 AE5B
02120036~W6s DM12>CM88 K6QXY
02120039 K6ZTP DM03>EM02 1865 50.140 AE5B
02120042 K6LIG 59 DM12>EL17AX 50.125 W5UWB
02120048 WB6KLL 42 DM05>EL17 50.125 W5UWB
02120107 K6LIG DM12>EM13 1865 50.125 N0RQ
02120358 KG6IYN 59 DM12>DN70 1390 K0GU
02120359 KJ6HI DM03>DN70 1463 50.125 K0GU
02150204 WA6TFZ DM15>EM02 1689 .130 AE5B
02150204 WA6TFZ DM15>EM22 50.130 WB5NRI
02150226 KG6DAQ DM04>EM22 50.140 WB5NRI
02150244 W6EMC DM13>EM22 50.127 WB5NRI
02190305 K6FV 599 CM87>DM43 50.069 B AC7XP
02200105 AA6DD DM13 50.125 WB5NRI
02200108 KE6UMW 2337 50.125 N5DRG
02210246 KG6STU DM04 50.125 WB5NRI
02220334 K6FV 599 CM87>DM43 50.069 B AC7XP

United States, W7

01310050 W7s AZ >CM88 K6QXY
02020141 K7SP DM33>EM02 1309 50.140 AE5B
02020230 W7s AZ >CM88 K6QXY
02020246 K7SP DM33>EM12 1494 50.125 N5WD

02020327 KE7AZN DM42>DM13 570 50.130 N6HC
02020350 K7GWD DM33>DM04 563 50.130 N3LQ/6
02030120 N7LT DN45>EM02 1774 50.074 B AE5B
02030132 W7NBH CN96>DM04 1344 50.125 N3LQ
02030136 WA7GCS CN85>DM04 1269 .150 N3LQ/6
02030142 KD7SUU DM33>EM02 1309 .135 AE5B
02030155 KA7EGR CN88>DM25 1587 .075 B K7FED
02030200 WX7R CN85>DM04 1269 50.180 N3LQ/6
02030210 K7MXA DEBBIE CN73 50.125 K7ZD
02030216 KC7OTV PSK31 CN84>DM04 1163 N3LQ/6
02030229 WB7ETR DM43>EM02 1123 .125 AE5B
02030XXX WA7X, W7s AZ >CM88 B K6QXY
02032204 K7NN 59 DM42>EL17 50.145 S W5UWB
02032248 WA7ADK 59 DN31>EL17 50.150 S W5UWB
02032252 W7CI 55 DM41>EL17 50.150 S W5UWB
02032255 W7CI FAI DM41>EL17 144.200 C W5UWB
02032256 W7/K3TYE DM42>EM17 1389 .125 N0JK
02032316 K7FED 54 DM25>EL17 50.150 S W5UWB
02032320 KD7ETC 55 DM54>EM17 1128 N0JK
02032320 KE7FPK 59 DN51>EL17 50.150 S W5UWB
02032332 NE7X 1337 50.125 AD5VJ
02032337 NE7X DM43>EM17 1341 50.125 N0JK
02040000~W7s OR >CM88 K6QXY
02040030 K7TOP DM43>CN85 1681 50.125 W0RLI/7
02040115 KE7AZN DM42>CN85 1774 .125 W0RLI
02040138 W7IJN DM79 1145 50.140 W5ZN
02040153 KE7DJD/M DM48>CN85 1258 W0RLI
02040IXX W7s WA,OR >CM88 K6QXY
02040215 W7/WB6BTI DM43>EM17 1341 N0JK
02040242 WA7TUE 55 CN94>EM17 2149 N0JK
02040252 WA7ADK 59 DN41AA>EN50BQ 1852 K9CT
02040254 W7/W0RLI 55 CN85>EM17 2327 N0JK
02052209 W7SSB/M DM33 1360 50.125 AE5B
02052319 N7SKT DM33>EL29 1760 50.125 KE5DFA
0205XXXX W7s AZ >CM88 K6QXY
02060027 KD7ZAL DM26>CN85 1203 .125 W0RLI
02060028 K7AED DM33>CN85 1583 50.125 W0RLI
02060046 NM7D DM37>CN85 1216 50.078 B W0RLI
02060105 KB7BQH CN87 1971 50.125 KO6WQ
02060108 W7BX DN05 1640 50.145 KO6WQ
02060117 AB7OI DN41>CN85 1063 50.140 W0RLI/7
02060120 N7LT,WA7X,W7s DN41,ID >CM88 B K6QXY
02060122 W7CE CN87 1971 50.128 KO6WQ
02060135 KE7AW CN86 1874 50.125 KO6WQ
02060137 KE7AUW CN86 1874 50.125 KO6WQ
02060143 W7HW CN84 1687 50.175 KO6WQ
02060202 K7ZOX 59 DN17>CM87 50.125 H K6FV
02060203 KE7AZN DM42>EM89 2623 .140 WZ8D
02060204 KE7AZN 55 DM42>EM39 1791 N0PB
02060206 NM7D DM37>CN85 1216 50.078 B W0RLI
02060219 KA7BGR S8>DM25 481 50.075 B K7FED
02060233 KE7AUW DAVE CN86>CM98 904 K6QG
02060239 KE7BCT JIM CN85>CM98 795 K6QG
02060241 W7HW DM33>CN84 1494 50.170 WW7B
02060244 W7/W0RLI DM33>CN85 1583 WW7B
02060247 W7CE CLAY CN87>DM08 1635 K6QG
02060259 N7CNH CN84 1687 50.150 KO6WQ
02060303 W7AIT CM97>CN89 1343 50.099 VE7CA
02060318 K7OOS CN73 1699 50.160 KO6WQ
02060444 N7SQN DM41>CN85 1869 50.125 W0RLI/7
02080022 K7SP DM33>EM15 1337 50.140 KX5RW
02080057 K7SP 57>EM56 3088 50.130 KF4ODI
02080141 KD7WPJ 1145 50.121 W0EB
02080152 K7LAS 1145 50.130 W0EB
02080248 K7ZD DM33>DM69 855 50.125 W8ERI
02080318 KE7AZN DM42>CN85 1774 .155 W0RLI
02090101 NM7D DM37>EM02 1389 50.080 B AE5B
02090424 WB7BWR DM41>CN85 1869 .125 W0RLI
02100155 W7SSB/M DM34>EM02 1315 .125 AE5B
02100228 K7TOP DM43 1178 50.130 AE5B
02120036~W7s AZ >CM88 K6QXY
02120119 N7SQN DM41>EM13 1330 50.125 N0RQ
02140030 W7CNK 59 EM15>EM70 1248 K4RX
02140031 WA7JTM DM33>EM83 2771 .133 AG4ZE
02170124 K7TOP 59 DM43>EM22 50.125 WB5NRI
02170134 W7/K3TYE 59 DM42>EM25 .125 KM5ES
02170258 N7TPJ DM43>EM22 50.125 WB5NRI
02171821 W7NAN 59 DM61>EM22 50.125 W5TDN
02190228 KA7BGR 559 CN82>DM43 50.075 B AC7XP
02190304 K7TOP 54 DM43>CN84 50.125 KC7OTV
02190342 W7/K3TYE DM42>DM98 50.400 A K6NC
02190406 N7SQN DM41>CM98 50.125 W6DWI
02200044 WA7JTM DM33>EM22 50.125 WB5NRI
02200145 N7SQN DM42 WB5NRI
02200213 K7TOP 55 DM43>EM22 50.125 W5TDN
02210237 N7SQN DM41>EM13 50.150 W0OOG
02210300~W7s AZ >CM88 K6QXY
02210304 N7SQN 59 DM41>CM98 50.125 W6KBX
02210306 N7SQN 59 AL DM41>CM98 1196 K6QG
02212042 KC7BFK 3553 50.110 N2

United States, W8

02010243 N8UX 1346 50.095 WA4JQS
02060141 W8IF EM79>EM17 1066 50.140 N0LD
02060142 W8IF EM79>CN90 50.140 K6ME
02100250 WA8ZBT CW 1820 50.099 C AD5VJ
02132237 W8IF 58 DM82>EM79 1791 .125 K5YC
02132306 WA8ZBT 56 EM12>EM79 1328 W8IF
02132336 KC8ZJL EM11 1604 50.140 W5SSG
02132355 WA8ZBT EM83>EM12 1309 .135 AG4ZE
02140037 W8FR EM54>EM13 745 50.173 N0RQ
02140054 WA8ZBT EM12>EM60 973 50.177 N5BO
02170048 N8UUP EN82>EM60 1380 50.135 N5BO
02220305 WZ8D EM89>EM60 1064 50.125 N5BO
02230251 WZ8D EM89>EM60 1064 50.145 N5BO

United States, W9

02011938 K9WZB GARY DM24>EM13 1660 K5SWW
02020049 K9WZB DM24>EM02 1498 50.130 AE5B
02020118 K9WZB 55 DM24>EM42 2230 N5ASA
02032352 W9/K2DRH EN41>DM33 2126 .125 K7ZD
02040000~W9s? >CM88 K6QXY
02040119 W9/K2DRH EN41>CM97 2598 .185 K3UG/6
02040123 W9XQ DM73>CN85 2032 50.130 W0RLI
02040127 W9/K2DRH 59/59 EN41>CM88 S K6QXY
02040148 KA9FOX EN43>CM87 2767 .132 KB6NAN
02040IXX W9s IL,WI >CM88 K6QXY
02040238 W9VD EM69>DM33 2407 50.138 K7ZD
02040239 W9VW EM69>DM33 2407 50.138 K7ZD
02040247 W9/K2DRH EN41>DM33 2126 .125 K7ZD
02052234 KB9WL 3097 50.125 N6CW
02052241 K9WZB DM24>EM02 1498 50.145 AE5B
02052338 K9WZB DM24>EL29 1962 50.125 KE5DFA
02060004 K9WZB 53 DM24>EM79 2707 W8IF
02060034 K9WZB DM24>CN85 1398 50.125 W0RLI
02060133 KB9WL,W9/K2DRH 59>EN19 .125 VE4AMU
02080324 K9WZB DM24>CN85 1398 50.135 W0RLI
02081629 W9VW EM69>EN80 358 50.069 B N4DB
02111350 KB9WL EM57>EM89 567 50.130 WZ8D
02132318 N9XHU EM11 1424 50.135 W5SSG
02150154 KB9WLM EN40>EM89 690 50.145 WZ8D
02170105 WR9L EN61>EL89 1381 50.076 B W3HH
02191304 WB9F EM83>EM57 701 50.260 AG4ZE
02231123 K9KNW 41 EL96>EM60 735 .265 N5BO
02251440 W9/K2DRH 57 EN41>EN19 .125 VE4AMU

United States, W0

02020025 K0EC DM69>EM60 2071 50.069 B N5BO
02020103 K0CIY EM25>DM04 2183 50.125 N3LQ/6
02020220 WJ0F 59 DM45>EM42 1869 .180 N5ASA
02020229 K0UO EM07>DM04 1825 50.080 B N3LQ
02030139 W0MTK DM59>EM02 1188 50.065 B AE5B
02030XXX W0IJR,W0MTK,W0s CO >CM88 K6QXY
02032300~K0UO,W0MTK,W0IJR,W0s CO B K6QXY
02032306 KB0HH 53 EM06>EL17 50.150 S W5UWB
02032319 W0EPK/M 53 >EL17 50.150 S W5UWB
02032322 KC0MEA 59 DM79>EL17 50.150 S W5UWB
02032324 KC0UYK 59 DM79>EL17 50.150 S W5UWB
02032325 W0/WB2IVN 56 DN60>EL17 .150 S W5UWB
02032326 K0AXE 56 DM79>EL17 50.150 S W5UWB
02032343 K0AXE DM79GK>EM12 1082 .125 AD5VJ
02040000~N0LL,K0EC,W0s ND >CM88 B K6QXY
02040007 W0IJR DM79>DM04 1359 50.065 B N3LQ/6
02040022 K0CIY EM25>CM97 2326 50.125 K3UG/6
02040052 N0VR DM78>EM17 709 50.145 N0JK
02040104 N0HU 53 DN70>EL17 50.145 S W5UWB
02040105 N0PB 56 EM39>EL17 50.165 S W5UWB
02040106 K0AXE DM79>EM17 730 50.155 N0JK
02040109 W0RLI 52 CN85>EL17 50.165 S W5UWB
02040127 WA0KBZ EM83>EM48 908 50.265 AG4ZE
02040129 K0EC 529 1535 50.068 B K9MU
02040131 N0VR DM78>CN85 1673 50.145 W0RLI/7
02040134 W0IJR 559 1535 50.065 B K9MU
02040135 K0VUY 1579 50.125 AD6WL
02040234 KC0TBE DM78>CN85 1673 .125 W0RLI/7
02040259 N0LL EM09>DM25 1477 50.077 B K7FED
02040325 W0IJR DM79 1614 50.065 B W0RLI/7
02040331 W0MTK DM59 50.065 B W0RLI/7
02040332 K0EC DM69 171 50.069 B W0RLI
02040333 WV0H DM79>CN85 1614 50.135 W0RLI
02040357 K0UO EM07 567 50.080 B W0RLI
02040731 KC0RWC DN70>DM04 1401 .125 N3LQ/6
0205XXXX W0MTK >CM88 B K6QXY
02060029 K0CIY EM25>DM43 1481 50.125 KF7E
02060111 W0IJR DM79>CN85 1614 50.065 B W0RLI/7
02060115 KC0MEA 59>EM79 50.150 W4GIB
02060120 W0MTK,W0IJR,W0s CO >CM88 B K6QXY
02060309 K0VUY 57 >CM87 50.125 H K6FV
02060321 KC0UYK 59 DM79>EN44 1281 K9MU
02080113 K0UO >CM88 B K6QXY
02080228 W0MTK , W0IJR/B 1579 50.065 B N6HY
02080241 KC0RWC DN70 1587 50.125 KO6WQ
02080245 KC0RWC 1579 50.300 N6HY
02080251 K0UO EM07SA 2111 50.079 B N6HY
02080259 K0AXE DM79>DM33 977 50.125 K7ZD
02080317 K0ETD DM42>CN85 1774 50.148 W0RLI
02080339 W0LD DM78>DM12 KG6IYN
02101304 K0VUY 59 EM48>EM89 699 .125 WZ8D
02111345 K0VUY EM48 699 50.130 WZ8D
02111534 K0VUY EM48>EM89 699 50.125 WZ8D
02120036~W0s KS >CM88 K6QXY
02120357 N0JXB DM42>DN31 1016 50.125 K7UV
02121319 K0VUY 55 2842 50.125 W1JJ
02132242 W0IJR DM79>EM60 1915 50.065 B N5BO
02132247 KC0HFL EM17>EM60 1204 .125 N5BO
02132250 K0UO EM07>EM60 1350 50.080 B N5BO
02132252 NE0P EM04>EM60 1208 50.125 N5BO
02132309 NE0P 5X5 EM04>EM79 1359 W8IF
02132316 K0EC DM69>EM60 2071 50.068 B N5BO
02132349 N0JJQ EN21>EM60 1417 50.145 N5BO
02140057 K0CIY EM25>EM60 929 50.125 N5BO
02140122 N0RQ EM13>EM60 999 50.125 N5BO
02150131 K0CIY EM25>DM04 K6GXO
02150312 W0IJR 579 DM79>DM43 50.065 B AC7XP
02170006 N0LL EM09>EM60 1479 50.078 B N5BO
02170010 KC0HFL EM17>EM60 1204 .125 N5BO
02170013 K0CIY 55 2377 50.125 N3DB
02170020 K0CIY EM25>EL96 H KG4RWO
02170021 K0CIY EM25>EM60 929 50.125 N5BO
02170028 N0PB S7 EM39>FM03 50.130 KI4AOQ
02170033 K0CIY 59+ FM16 2465 50.125 W4RVZ
02170034 K0UO EM07>EM60 1350 50.080 B N5BO
02170038 KC0ATQ S5 EM29>FM03 50.125 KI4AOQ
02190031 K0VUY EM48>EM89 699 50.145 WZ8D
02201440 K0VUY S3> NC 2516 50.125 H W4RVZ
02212200 K0VUY 59 EM48>EM89 699 .125 WZ8D
02220309 K0VUY BOOMING>EM89 1882 WZ8D
02230234 K0VUY EM48 LOUD 1213 50.145 WZ8D
02240105 K0KP 22 >EN24 50.072 B N0VQA

Reports of Oceania

AUSTRALIA, General

02080807 VK TV 56 -0900 46.172 V PF95GA
02220315 VK TV NEN0 S5>PF95GA 46.260 V SWL
02220335 VK TV RTQ0 S4>PF95GA 46.172 V SWL
02260554 VKTV S7 46.17,S9 46.24>PM74 V JG3LEB

Australia-New South Wales

02070234 VK2RHV 539 >0408 >RE66 B ZL3NW
02260315 VK2RHV 579 >0428 >AUCKLAND B ZL3NE/1

Australia-Queensland-VK4

02041113 VK4ABW 28 EME 15768 50.193 G4IGO
02080804 VK4RTL 569 -0927 50.087 B PF95GA
02080816 VK4ABP 549 -0840 52.346 B PF95GA
02110309 VK4RTL S9 50.087 B VK5UBC
02230307 VK4RTL S8 50.087 B VK5UBC
02270153 VK4RGG 529 B VK3DUT

West Australia-VK6

02060230 VK6RBU 26 50.305 B VK5UBC
02060230 VK6RPH S5 50.066 B VK5UBC
02060328 VK6RPH 569>PF95GA -0550 B SWL
02060344 VK6JJ 57 W/VK5UBC >PF95GA H SWL
02060347 VK6JJ 59 50.140 VK5UBC
02060414 VK6RBU 439>PF95GA 50.306 B SWL
02060509 VK6 QSB >QF32VE VK3DUT

Australia-Tasmania-VK7

02090241 VK7RST 539>RE66 B ZL3NW

Australia-Northern Terr.

02110309 VK8RAS S9 50.046 B VK5UBC
02140546 VK8RAS 569 >PF95GA -0625 B SWL

NEW CALEDONIA

02112251 FK8SIX 559 >QF56NE 50.0797 B VK2XQ
02142241 FK8SIX 529 >RE78KV B ZL2FNF
02142310 FK8SIX S9+ B ZL3NE/1

NEW ZEALAND

02040000~ZL TVVID S1-3 45.24/.25/.26 V K6QXY
02080328 ZL TV S4 -0415 45.25/50.750 T PF95GA
02210000~ZL TV VID S1>CM88 45.24/.26 V K6QXY
02260224 ZLTV >0504 >QF56 45.24-.26 V VK2XQ
02260635 ZLTV S3 45.24,S7 45.25>PM74 V JG3LEB
02260714 ZL TV S9 45.24/50.74 T VK3DUT
02270221 ZL TV S4-5 45.24/.25/.26 V VK3DUT
02280338 ZL TV S3-5 >PM85 45.24/.26 V JA2DDN

Reports of South America

ARGENTINA

02030026 LU7DZ 1158 50.110 PP5AR
02030032 LU5EGY 1158 50.110 PP5AR
02030127 LU7HCS 1158 50.110 PP5AR
02051808 LU1WDY 599 50.071 B LU9MRG
02090007 LU8HBX 1158 50.110 PR8ZX
02172111 LU6WDH 59>GF15 183 50.110 CX4CR
02191913 LU8EMH 59 FF94>GG53 1517 PP5XX
02192234 LW2DDS 50.110 LW6DC
02220255 LU5EGY 519 1158 50.038 B PR8ZX
02230408 LU5EGY 519 1158 50.038 B PR8ZX
02240101 LU3EE W/ FJ5DX 1158 50.110 PP5JD
02240151 LW3EWZ 44>FK60NM 5073 .110 YV5IAL
02260014 LU5EGY 1158 50.039 B PR8ZX
02260016 LU2DKX 53 FF94>GI64 3630 PR8ZX
02260026 LW4DIR GF05>GI64 3452 .110 PR8ZX
02260028 LU9HW FF87>GI64 3430 50.110 PR8ZX
02260045 LU8EMH FF94>GI64 3630 .110 PR8ZX

BRAZIL

02220055 PP5AR CQ 4951 50.110 FM5JC
02220304 PY5EW 59+ 50.110 PR8ZX
02220306 PR8ZX 59+ >GG46 590 50.110 PY5EW
02220310 PY2BRZ 57 GI64>GG67 1890 PR8ZX
02220314 PY3ARZ 57 GI64>GF38 2957 PR8ZX
02220316 PR8ZX PEDRO 50.110 PY3ARZ
02230035 PP5AR RENATO GG51 4951 .110 FM5JC
02232300 PP5AR 53 5571 50.110 WP3UX
02240017 PR8ZX 59+ 50.110 PY5EW
02240027 PP5JD 50.110 PR8ZX
02240035 PY2VA 50.110 PR8ZX
02240155 PR7AR HI23>GI64 1331 50.110 PR8ZX
02240257 PR8ZX 50.110 PP5JD
02250504 PR8ZX 5571 50.110 W WP3UX
02260047 PY5EW GG46>GI64 2046 50.110 PR8ZX
02260137 PP5JD 50.110 PR8ZX
02260151 PP5JD 52 5571 50.130 S WP3UX
02270056 PP5CG 59+ 50.120 PR8ZX
02270135 PY3ARZ CQ 50.110 PR8ZX

TRINIDAD & TOBAGO

02012349 9Y4AT 559>GG66 4075 50.015 B PY2OC
02082351 9Y4AT 599 4523 50.015 B PY1NB
02100111 9Y4AT 599 4523 50.015 B PP5JD
02220027 9Y4AT 559 4523 50.015 B PY2OC
02220029 9Y4AT 599 4523 50.015 B PP5JD
02230022 9Y4AT 579>GG53QW 4312 .015 B PP5XX
02230357 9Y4AT 579 4523 50.015 B PR8ZX
02240004 9Y4AT 599 4523 50.015 B PP5JD
02240031 9Y4AT 559 4523 50.015 B PR7AR
02240046 9Z4FZ 4523 50.110 PY2VA
02240053 9Z4FZ JULIEN 4523 50.110 PY3ARZ
02240121 9Y4AT LOUD>GG67 3973 50.015 B PY2BRZ
02240153 9Y4AT 599 4523 50.110 B PP5JD
02250433 9Y4AT 579 4523 50.015 B PR8ZX
02260056 9Y4AT 559 4523 50.015 B PP5JD

URUGUAY

02270104 CX7BBR CQ 1009 50.110 PR8ZX

VENEZUELA

02082352 YV4AB 599 4839 50.026 PY1NB
02090145 YV5ESN 4839 50.110 PY2YW
02230358 YV4AB 559 4839 50.025 B PR8ZX
02240007 YV4AB 519 4839 50.025 B PR8ZX
02240024 YV5ESN 4839 50.110 PP5AR
02240025 YV4AB 559>GG48 4064 50.025 B PY2SRB
02240040 YV4AB 529>GG46 4256 50.026 B PY5EW
02240047 YV4GMJ 4839 50.110 PY2VA
02250507 YV5IAL 4839 50.110 PR8ZX

QSL Information

DZ1JP: via JA1HGY
J6/UR5BCP: via KD7WPJ
JT1Y, JT0Y: via I0SNY